

CA30NHWR04
CII Book 1
1980-84
Finance

The Regional Municipality Of Hamilton - Wentworth

URB/MUN



Capital Budget 1980-84

Detail Sheets

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35013 & 35056

FILE NO. 813-06

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 1

1. PROJECT

Mill Street South, Township of
Flamborough, Mountain Brown Road
to Hwy. 5

2. MAP TO LOCATE PROJECT3. DESCRIPTION

- Minor realignment of road
replacement of one structure
and slope stabilization.

4. CAPITAL COST ESTIMATE

LAND	280 000
CONSTRUCTION	590 600
OTHER	50 000
TOTAL	920 600
SUBSIDY	409 500
CONTRIBUTIONS	
TOTAL	409 500
NET COST	511 100

AMOUNT TO BE FINANCED:	
REGIONAL	511 100
PROPERTY OWNERS	
OTHER	
TOTAL	511 100

5. CASH FLOW

O.M.B. REQUIRED	1979
EXPENDITURES:	
PRIOR TO BUDGET	729 600
1980	10 000
1981	
1982	181 000
1983	
1984	
1985 AND AFTER	
TOTAL	920 600

6. NEED FOR PROJECT

- Critical horizontal and vertical alignment.
- Critical structural deficiency of road and one structure
- Replacement of Grindstone Creek Bridge awarded in 1977.

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GOVERNMENT DOCUMENTS

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35046

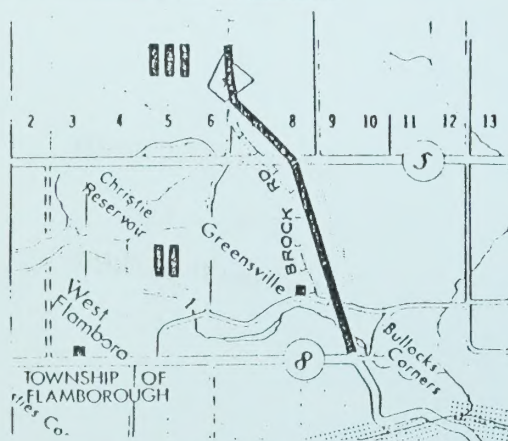
FILE NO. 802-05

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 1

1. PROJECT

Brock Road, Flamborough, Hwy. 8 to
Hwy. 5

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Hwy. 5 to Harvest Road realignment and
reconstruction including land
acquisition.

4. CAPITAL COST ESTIMATE

LAND	347 200
CONSTRUCTION	1 260 000
OTHER	

TOTAL	1 607 200
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SUBSIDY	646 100
CONTRIBUTIONS MTC	288 000

TOTAL	934 100
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NET COST	673 100
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AMOUNT TO BE FINANCED:

REGIONAL	673 100
PROPERTY OWNERS	
OTHER	

TOTAL	673 100
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5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	327 200
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1980	770 000
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1981	510 000
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1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
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TOTAL	1 607 200
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6. NEED FOR PROJECT

- Poor geometrics in Greensville and Hwy. 5 intersection
- Need to alleviate severe accident situation.
- Need to provide for additional capacity

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
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ANNUAL COSTS	0
--------------	---

TOTAL	0
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REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

802-08

PROJECT NO. 35007 & 35048

802-09

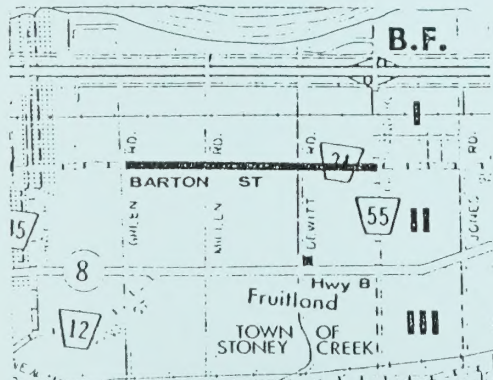
FILE NO. 802-18

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 1

1. PROJECT

Barton Street, Stoney Creek, Green Rd.
to Fruitland Rd.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Land acquisition to acquire an 86' Right
of Way; widening to four lanes and
complete reconstruction.

4. CAPITAL COST ESTIMATE

LAND	283 000
CONSTRUCTION	1 738 000
OTHER	
TOTAL	<u>2 021 000</u>
SUBSIDY	871 500
CONTRIBUTIONS	
TOTAL	<u>871 500</u>
NET COST	<u>1 149 500</u>

AMOUNT TO BE FINANCED:

REGIONAL	1 459 500
PROPERTY OWNERS	
OTHER	
TOTAL	<u>1 459 500</u>

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET	839 000
1980	72 000
1981	
1982	
1983	530 000
1984	
1985 AND AFTER	580 000
TOTAL	<u>2 021 000</u>

6. NEED FOR PROJECT

- Continued eastward urbanization of Stoney Creek.
- Continued Industrial development.
- Project has been broken into three phases:
 - a) Green to Millen (under construction 1978/79)
 - b) Millen to DeWitt
 - c) DeWitt to Fruitland

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u>0</u>
ANNUAL COSTS	<u>15 000</u>
TOTAL	<u>15 000</u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35125

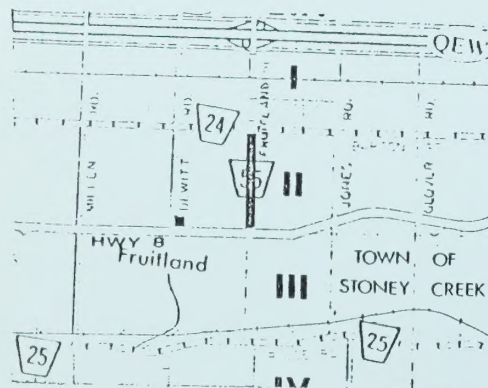
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DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 1

1. PROJECT

Fruitland Road, Stoney Creek, Barton
St. to Hwy. 8

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Study will be undertaken to determine if widening should take place on existing roadway. Project to include land acquisition and roadway construction.

4. CAPITAL COST ESTIMATE

LAND	189 000
CONSTRUCTION	684 000
OTHER Study	32 000
TOTAL	905 000

SUBSIDY	404 800
CONTRIBUTIONS	
TOTAL	404 800

NET COST	500 200
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AMOUNT TO BE FINANCED:	
REGIONAL	500 200
PROPERTY OWNERS	
OTHER	
TOTAL	500 200

5. CASH FLOW

O.H.B. REQUIRED 1984

EXPENDITURES: 32 000

PRIOR TO BUDGET

1980

1981

1982

1983

1984 189 000

1985 AND AFTER 684 000

TOTAL	905 000
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6. NEED FOR PROJECT

- Interchange at Q.E.W. necessitates increase in Traffic service.
- Will be contingent on the rate of development of the Town of Stoney Creek.
- Need for additional mountain access to be accessed upon completion of Official Plan and Freeway Study.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	(\$20 000)
TOTAL	(\$20 000)

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35096

FILE NO. 813-30

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 1

1. PROJECT

Ottawa Street at Main Street -
City of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and
channelization of the intersection
including complete reconstruction
of Ottawa Street to Maple Ave.

4. CAPITAL COST ESTIMATE

LAND	221 500
CONSTRUCTION	373 000
OTHER	
TOTAL	594 500
SUBSIDY	282 300
CONTRIBUTIONS	
TOTAL	282 300
NET COST	312 200

AMOUNT TO BE FINANCED:	
REGIONAL	312 200
PROPERTY OWNERS	
OTHER	
TOTAL	312 200

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	221 500
1980	373 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	594 500

6. NEED FOR PROJECT

- need to provide for additional intersection capacity
- roadway structurally deficient

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35110

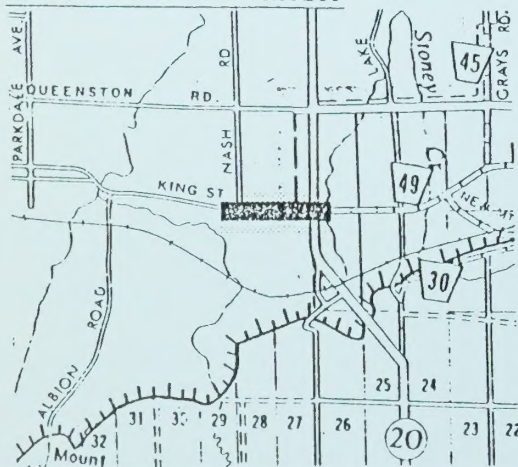
FILE NO. 811-08

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 1

1. PROJECT

King Street - City of Hamilton
and Town of Stoney Creek,
Nash Road to Battlefield Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and widening
to 4 lanes including intersection
improvement at Hwy. #20 and at
Nash Road.

4. CAPITAL COST ESTIMATE

LAND	196 000
CONSTRUCTION	800 000
OTHER	
TOTAL	996 000
SUBSIDY	465 200
CONTRIBUTIONS	
TOTAL	465 200
NET COST	530 800

AMOUNT TO BE FINANCED:	
REGIONAL	530 800
PROPERTY OWNERS	
OTHER	
TOTAL	530 800

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	176 000
19 80	820 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	996 000

6. NEED FOR PROJECT

- need to provide additional roadway capacity
- roadway structurally deficient

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	\$5,000
TOTAL	\$5,000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35115

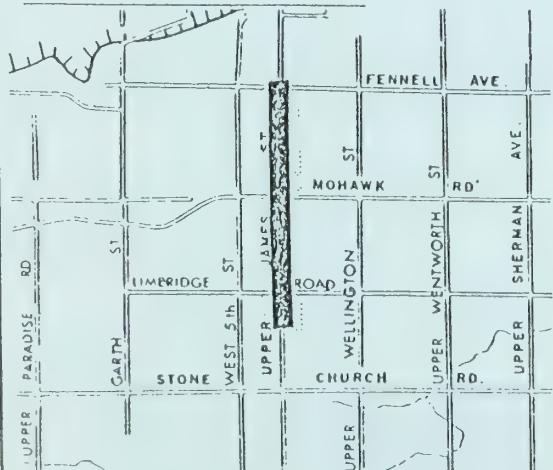
FILE NO. 821-20

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 2

1. PROJECT

Upper James Street - City of Hamilton
Fennell Avenue to 300 m south of
Limeridge Road

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Reconstruction, widening and
providing a continuous channelized
left turn lane.

4. CAPITAL COST ESTIMATE

LAND	17 000
CONSTRUCTION	1 546 000
OTHER Study	25 000

TOTAL	1 588 000
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SUBSIDY	368 100
CONTRIBUTIONS MTC	740 300

TOTAL	1 108 400
-------	-----------

NET COST	479 600
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL	479 600
PROPERTY OWNERS	
OTHER	

TOTAL	479 600
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	905 000
-----------------	---------

1980	683 000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	1 588 000
-------	-----------

6. NEED FOR PROJECT

- need to provide for additional roadway capacity
- continued commercial development
- need to alleviate severe accident record

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980- 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35082

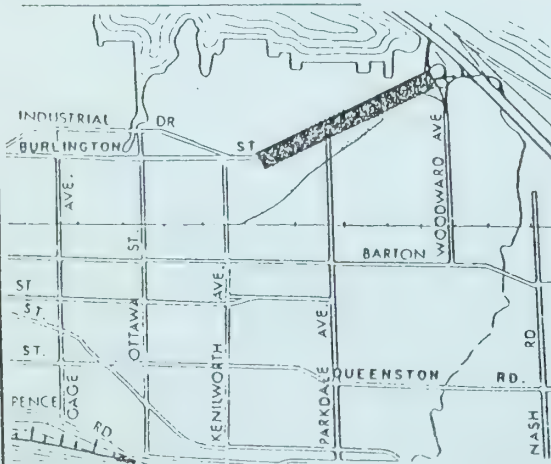
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DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 2

1. PROJECT

Burlington Street - City of Hamilton
Strathearne Avenue to Woodward
Avenue.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and widening
including intersection improvement
at Parkdale and Strathearne Avenue

4. CAPITAL COST ESTIMATE

LAND	1 000 000
CONSTRUCTION	15 000 000
OTHER *	1 905 000
TOTAL	17 905 000
SUBSIDY	6 751 100
CONTRIBUTIONS MTC	8 286 500
TOTAL	15 037 600
NET COST	2 867 400

AMOUNT TO BE FINANCED:

REGIONAL	2 867 400
PROPERTY OWNERS	
OTHER	
TOTAL	2 867 400

5. CASH FLOW

O.M.B. REQUIRED 1978

EXPENDITURES:

PRIOR TO BUDGET	620 000
1980	1 460 000
1981	5 830 000
1982	6 350 000
1983	3 645 000
1984	
1985 AND AFTER	
TOTAL	17 905 000

6. NEED FOR PROJECT

- need to provide additional roadway capacity
- roadway structurally deficient
- need to provide adequate service to industry

* STUDY	50 000
UTILITIES	550 000
ENGINEERING	1 305 000
	1 905 000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35087

FILE NO. 807-02

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 2

1. PROJECT

Grays Road - City of Hamilton
Arvin Avenue to the Q.E.W.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and
widening to 4 lanes, including
grade separation at the C.N.
Mainline

4. CAPITAL COST ESTIMATE

LAND	150 000
CONSTRUCTION	1 436 300
OTHER *	448 700
TOTAL	2 035 000
SUBSIDY	262 500
CONTRIBUTIONS **	1 509 900
TOTAL	1 772 400
NET COST	262 600

AMOUNT TO BE FINANCED:	
REGIONAL	262 600
PROPERTY OWNERS	
OTHER	

TOTAL	262 600
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	106 000
1980	110 000
1981	186 000
1982	1 633 000
1983	
1984	
1985 AND AFTER	
TOTAL	2 035 000

6. NEED FOR PROJECT

- need to provide for continued industrial development
- roadway structurally deficient
- need to grade separate the C.N. Mainline

* STUDY	16 000
UTILITIES	185 700
ENGINEERING	247 000
	448 700

** C.G.R.F.	1,340 620
CNR	90 880
UTILITIES	78 400
	1 509 900

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980-1984
CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35111

FILE NO. 807-16

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 2

1. PROJECT

Mohawk Road at Garth Street - City
of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and
channelization of the intersection.

4. CAPITAL COST ESTIMATE

LAND	113 000
CONSTRUCTION	250 000
OTHER	
TOTAL	363 000
SUBSIDY	161 500
CONTRIBUTIONS	
TOTAL	161 500
NET COST	201 500

AMOUNT TO BE FINANCED:
REGIONAL 201 500
PROPERTY OWNERS
OTHER

TOTAL 201 500

5. CASH FLOW

O.N.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET 173 000

1980 190 000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 363 000

6. NEED FOR PROJECT

- need to provide for
additional intersection
capacity and improve safety.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 0

ANNUAL COSTS 0

TOTAL 0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35112

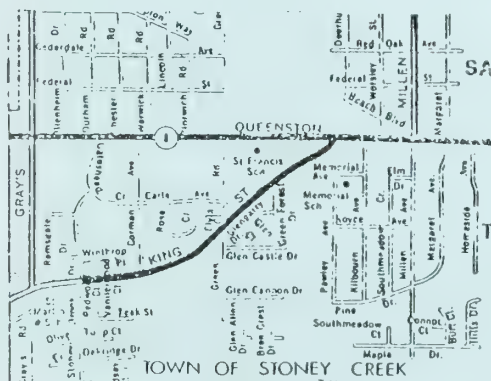
FILE NO. 811-07

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 2

1. PROJECT

King Street, Stoney Creek, Stoney
Brook Drive to Highway 8.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Stoney Brook Drive to Highway 8 widening
and reconstruction of King Street.

4. CAPITAL COST ESTIMATE

LAND	110 000
CONSTRUCTION	703 000
OTHER	30 000
TOTAL	843 000
SUBSIDY	365 000
CONTRIBUTIONS	
TOTAL	365 000
NET COST	478 000

AMOUNT TO BE FINANCED:

REGIONAL	478 000
PROPERTY OWNERS	
OTHER	
TOTAL	478 000

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	40 000
19 80	50 000
19 81	50 000
19 82	
19 83	
19 84	703 000
19 85 AND AFTER	
TOTAL	843 000

6. NEED FOR PROJECT

- Need to provide additional roadway capacity.
- Roadway structural deficient.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	\$10 000
TOTAL	\$10 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35113

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 2

1. PROJECTMountain East/West, North/South
Freeway2. MAP TO LOCATE PROJECT3. DESCRIPTIONProposed roadway construction across the
Mountain and Niagara Escarpment from
Hwy. #403, Ancaster to the Q.E.W. in
east Hamilton.4. CAPITAL COST ESTIMATE

LAND	10 500 000
CONSTRUCTION	
OTHER	

TOTAL	10 500 000
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SUBSIDY	4 500 000
CONTRIBUTIONS	

TOTAL	4 500 000
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NET COST	6 000 000
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AMOUNT TO BE FINANCED:	
REGIONAL	6 000 000
PROPERTY OWNERS	
OTHER	

TOTAL	6 000 000
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5. CASH FLOW

O.N.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET	125 000
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19 80	1 500 000
-------	-----------

19 81	1 400 000
-------	-----------

19 82	1 400 000
-------	-----------

19 83	1 400 000
-------	-----------

19 84	1 400 000
-------	-----------

19 85 AND AFTER	3 275 000
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TOTAL	10 500 000
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6. NEEDED FOR PROJECT- as designated in the
Regional Official Plan7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 37163

FILE NO. 813-29

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 3

1. PROJECT

Mohawk Road at Upper Sherman Avenue -
City of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

complete reconstruction and
channelization of intersection.

4. CAPITAL COST ESTIMATE

LAND	105 000
CONSTRUCTION	396 000
OTHER	
TOTAL	<u>501 000</u>
SUBSIDY	218 800
CONTRIBUTIONS	
TOTAL	<u>218 800</u>
NET COST	<u><u>282 200</u></u>

AMOUNT TO BE FINANCED:	
REGIONAL	282 200
PROPERTY OWNERS	
OTHER	
TOTAL	<u>282 200</u>

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	105 000
19 80	396 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	

TOTAL 501 000

6. NEED FOR PROJECT

- need to provide for
additional intersection
capacity

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u>0</u>
ANNUAL COSTS	<u>0</u>
TOTAL	<u>0</u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980-1984 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 37166

FILE NO. 813-37

DEPT./AGENCY Engineering - CAPITAL BUDGET PAGE 3

1. PROJECT

Mohawk Road at Upper Gage Avenue -
City of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and
channelization of the intersection

4. CAPITAL COST ESTIMATE

LAND	45 000
CONSTRUCTION	348 000
OTHER UTILITIES	43 000
TOTAL	436 000
SUBSIDY	190 200
CONTRIBUTIONS	
TOTAL	190 200
NET COST	245 800

AMOUNT TO BE FINANCED:	
REGIONAL	245 800
PROPERTY OWNERS	
OTHER	
TOTAL	245 800

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	45 000
1980	43 000
1981	348 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	436 000

6. NEED FOR PROJECT

- need to provide for
additional intersection
capacity and safety.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35055

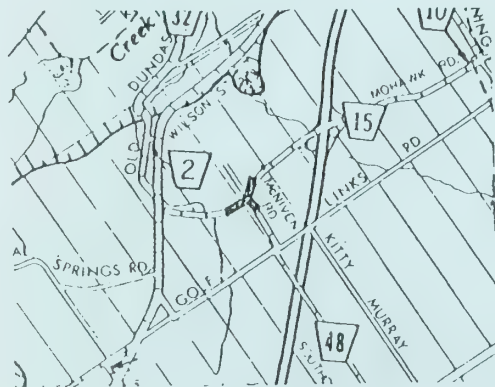
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DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 3

1. PROJECT

- Mohawk Road at McIvlen Road - Town of Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

- complete reconstruction and channelization of intersection

4. CAPITAL COST ESTIMATE

LAND	42 000
CONSTRUCTION	187 000
OTHER	
TOTAL	229 000
SUBSIDY	105 100
CONTRIBUTIONS	
TOTAL	105 100
NET COST	123 900

AMOUNT TO BE FINANCED:	
REGIONAL	123 900
PROPERTY OWNERS	
OTHER	
TOTAL	123 900

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET	42 000
19 80	187 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	229 000

6. NEED FOR PROJECT

- need to provide for safe crossing of vehicles and pedestrians

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

PROJECT NO. 37164

FILE NO.

DEPT./AGENCY Engineering
Transportation Services

CAPITAL BUDGET PAGE 3

1. PROJECTFennell Avenue at Upper Gage Avenue
- City of Hamilton4. CAPITAL COST ESTIMATE

LAND	62 000
CONSTRUCTION	350 000
OTHER UTILITIES	15 000
TOTAL	427 000
SUBSIDY	185 500
CONTRIBUTIONS	
TOTAL	185 500
NET COST	241 500

AMOUNT TO BE FINANCED:

REGIONAL	241 500
PROPERTY OWNERS	
OTHER	
TOTAL	241 500

6. NEED FOR PROJECT- need to provide for
additional roadway capacity
and improve safety.2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	77 000
1981	350 000
1982	
1983	
1984	
1985 AND AFTER	

TOTAL 427 000

3. DESCRIPTIONComplete reconstruction and
channelization of the intersection.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35091

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 3

1. PROJECT

Mountain Shopping Centre Access Roads
City of Hamilton - 1) Mohawk Rd. from
152 m West of Upper Wentworth Street
to East 27th. Street.

2) Upper Wentworth
St. - from 142 m north of Mohawk Rd. to
152 m south of Limeridge Road.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

1) Widening and Channelization of
Mohawk Road.

2) Widening, Channelization and
complete reconstruction of Upper
Wentworth Street.

4. CAPITAL COST ESTIMATE

LAND	550,000
CONSTRUCTION	1,360,000
OTHER	

TOTAL	1 910 000
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SUBSIDY	401,000
CONTRIBUTIONS	955,000

TOTAL	1 356,000
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NET COST	554 000
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AMOUNT TO BE FINANCED:	
REGIONAL	554,000
PROPERTY OWNERS	
OTHER	

TOTAL	554,000
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5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	1 910 000
------	-----------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	1 910 000
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6. NEED FOR PROJECT

Access requirements for
Mountain Regional Shopping
Centre.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
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ANNUAL COSTS	0
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TOTAL	0
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REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35120

FILE NO. 806-11

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 3

1. PROJECT

Fennell Avenue at Upper Sherman
Avenue - City of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and
channelization of the intersection.

4. CAPITAL COST ESTIMATE

LAND	116 000
CONSTRUCTION	320 000
OTHER UTILITIES	30 000
TOTAL	466 000
SUBSIDY	207 400
CONTRIBUTIONS	
TOTAL	207 400
NET COST	258 600

AMOUNT TO BE FINANCED:	
REGIONAL	258 600
PROPERTY OWNERS	
OTHER	
TOTAL	258 600

5. CASH FLOW

O.N.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980	50 000
1981	96 000
1982	320 000
1983	
1984	
1985 AND AFTER	
TOTAL	466 000

6. NEED FOR PROJECT

- need to provide for
additional intersection
capacity and safety.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35137

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 4

1. PROJECT

Upper Ottawa Street - Stone Church
Road to Rymal Road.
- City of Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Complete reconstruction and widening
to 4 lanes.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	470 000
OTHER	
TOTAL	470 000
SUBSIDY	
CONTRIBUTIONS	197 400
TOTAL	197 400
NET COST	272 600

AMOUNT TO BE FINANCED:	
REGIONAL	272 600
PROPERTY OWNERS	
OTHER	
TOTAL	272 600

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984

1985

AND AFTER

TOTAL 470 000

6. NEED FOR PROJECT

Provide improved service
for Mountain Industrial Lands.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 0

ANNUAL COSTS 0

TOTAL 0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980 -1984 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35121

FILE NO. 813-39

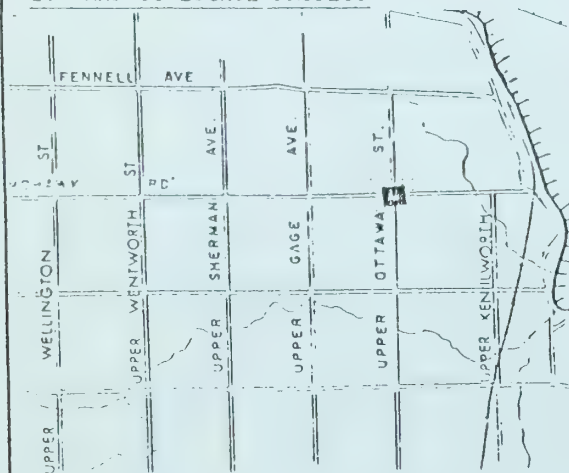
DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 4

1. PROJECT

Mohawk Road at Upper Ottawa Street -
City of Hamilton

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

Complete reconstruction and
channelization of the intersection.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 475 200
OTHER

TOTAL 475 200

SUBSIDY 218 500
CONTRIBUTIONS

TOTAL 218 500

NET COST 256 700

AMOUNT TO BE FINANCED:
REGIONAL 256 700
PROPERTY OWNERS
OTHER

TOTAL 256 700

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84 475 200

19 85 AND AFTER

TOTAL 475 200

6. NEED FOR PROJECT

- need to provide for
additional intersection
capacity and safety.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 0

ANNUAL COSTS 0

TOTAL 0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984 CAPITAL BUDGET

PROJECT DETAIL

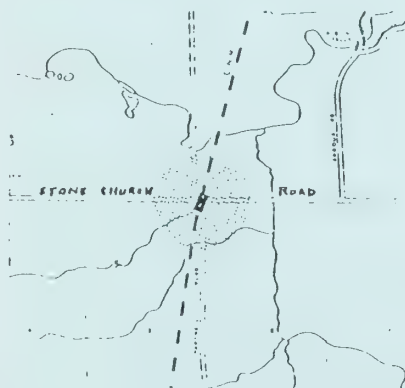
FUNCTION

PROJECT NO. 35127

FILE NO.

DEPT./AGENCY Engineering
Transportation Services

CAPITAL BUDGET PAGE 4

1. PROJECTStone Church Road - City of Hamilton
C.N.R. Bridge near Dartnall Road2. MAP TO LOCATE PROJECT3. DESCRIPTIONReconstruction and widening of existing
2 lane overhead bridge.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	226 000
OTHER	
TOTAL	226 000
SUBSIDY	17 000
CONTRIBUTIONS *	192 000
TOTAL	209 000
NET COST	17 000

AMOUNT TO BE FINANCED:	
REGIONAL	17 000
PROPERTY OWNERS	
OTHER	
TOTAL	17 000

5. CASH FLOW

O.M.B. REQUIRED	1984
EXPENDITURES:	
PRIOR TO BUDGET	
1980	
1981	
1982	
1983	
1984	226 000
1985 AND AFTER	
TOTAL	226 000

6. NEED FOR PROJECT- need to provide for
anticipated growth trend

* C.G.R.F.	180,800
C. N. R.	11,200
	192,000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

PROJECT NO. 35118

FILE NO.

DEPT./AGENCY Engineering
Transportation Services

CAPITAL BUDGET PAGE 4

1. PROJECT

Upper Gage Avenue - City of Hamilton
Thorly Avenue to 500 feet north of
Stone Church Road

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Staged construction and widening to
4 lanes.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	623 100
OTHER	
TOTAL	623 100
SUBSIDY	273 000
CONTRIBUTIONS	
TOTAL	273 000
NET COST	350 100

AMOUNT TO BE FINANCED:	
REGIONAL	350.100
PROPERTY OWNERS	
OTHER	
TOTAL	350 100

5. CASH FLOW

O.H.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

623 100

1984

1985 AND AFTER

TOTAL 623.100

6. NEED FOR PROJECT

- need to provide for anticipated growth trend
- roadway structurally deficient

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

PROJECT NO. 35123

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 4

Transportation Services

1. PROJECT

Upper Sherman Avenue - City of Hamilton
Berko Avenue to Limeridge Road

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Construction and widening to 4 lanes.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	220 000
OTHER	
TOTAL	220 000
SUBSIDY	100 000
CONTRIBUTIONS	
TOTAL	100 000
NET COST	120 000

AMOUNT TO BE FINANCED:	
REGIONAL	120 000
PROPERTY OWNERS	
OTHER	
TOTAL	120 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL 220,000

6. NEED FOR PROJECT

- need to provide for anticipated growth trend
- roadway structurally deficient

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	0
TOTAL	0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

PROJECT NO. 35130

FILE NO.

DEPT./AGENCY Engineering
Transportation Services

CAPITAL BUDGET PAGE 4

1. PROJECTMohawk Road at Upper Paradise Road
- City of Hamilton2. MAP TO LOCATE PROJECT3. DESCRIPTIONComplete reconstruction and
channelization of intersection.4. CAPITAL COST ESTIMATE

LAND	150 000
CONSTRUCTION	350 000
OTHER	

TOTAL 500 000

SUBSIDY	222 000
CONTRIBUTIONS	

TOTAL 222 000

NET COST 278 000

AMOUNT TO BE FINANCED:	
REGIONAL	278 000
PROPERTY OWNERS	
OTHER	

TOTAL 278 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 150 000

1985 AND AFTER 350 000

TOTAL 500 000

6. NEED FOR PROJECT- need to provide for
additional roadway capacity
and improve safety.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 0

ANNUAL COSTS 0

TOTAL 0

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980-1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Services

PROJECT NO. 35162

FILE NO. 821-19

DEPT./AGENCY Engineering -

CAPITAL BUDGET PAGE 5

1. PROJECT

Upper Sherman Avenue -
City of Hamilton
Concession Street to Crockett Street

4. CAPITAL COST ESTIMATE

LAND	118 000
CONSTRUCTION	447 000
OTHER	

TOTAL	565 000
-------	---------

SUBSIDY	246 700
CONTRIBUTIONS	

TOTAL	246 700
-------	---------

NET COST	318 300
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL	318 300
PROPERTY OWNERS	
OTHER	

TOTAL	318 300
-------	---------

6. NEED FOR PROJECT

- roadway structurally deficient
- Sherman Cut/Crockett channelization is operationally deficient

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84	118 000
-------	---------

19 85 AND AFTER	447 000
-----------------	---------

TOTAL	565 000
-------	---------

3. DESCRIPTION

Complete reconstruction including
intersection improvement at
Crockett Street

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
--------------	---

ANNUAL COSTS	0
--------------	---

TOTAL	0
-------	---

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980 - 1984

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

PROJECT NO. 35126

813-08

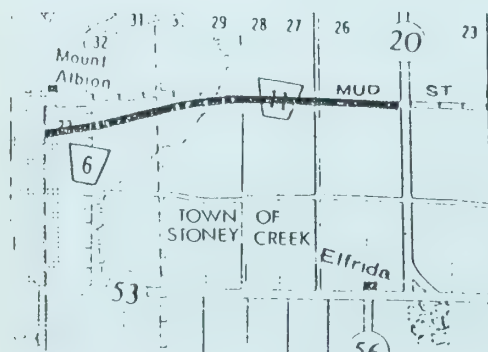
FILE NO. 813-22

DEPT./AGENCY Eng. Transportation
Services

CAPITAL BUDGET PAGE 5

1. PROJECT

Mud Street, Stoney Creek, East City of
Hamilton, Limits to Highway 20.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Hamilton East City Limits to Highway 20
widening road allowance to 200 feet and
roadway construction.

4. CAPITAL COST ESTIMATE

LAND	750 000
CONSTRUCTION	1 523 000
OTHER	
TOTAL	2 273 000
SUBSIDY	
CONTRIBUTIONS	1 035 000
TOTAL	1,035 000
NET COST	1 238 000

AMOUNT TO BE FINANCED:

REGIONAL	1,238 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 238 000

5. CASH FLOW

O.H.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET	48 000
19 80	
19 81	
19 82	
19 83	
19 84	125,000
19 85 AND AFTER	2,100,000
TOTAL	2 273 000

6. NEED FOR PROJECT

- Saltfleet Community Development
- Contingent on decisions regarding the Mountain East-West and North-South Freeway.

7. * EFFECT ON CURRENT BUDGET

DEBT CHARGES	0
ANNUAL COSTS	\$15,000
TOTAL	\$15,000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sanitation & Waste Disposal

PROJECT NO. 35251

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 6

1. PROJECT

Sanitary Landfill Sites and

- Land Acquisition
Glanbrook2. MAP TO LOCATE PROJECT3. DESCRIPTION

- A) Kenora Transfer Station \$300,000
- B) Upper Ottawa - south of Rymal
Road Transfer Station 300,000
- C) Glanbrook, Landfill Site 1,400,000

4. CAPITAL COST ESTIMATE

LAND 2,370,000

CONSTRUCTION

OTHER

TOTAL 2,370,000

SUBSIDY M.T.C.

CONTRIBUTIONS

TOTAL NIL

NET COST 2,370,000

AMOUNT TO BE FINANCED:

REGIONAL 2,370,000

PROPERTY OWNERS

OTHER

TOTAL 2,370,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 1,080,500

1980 1,400,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 2,480,500

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Sanitation and Waste Disposal

PROJECT NO.

35252

FILE NO.

DEPT./AGENCY

Engineering

CAPITAL BUDGET PAGE 6

1. PROJECT

Transfer Stations

New Solid Waste Management System

4. CAPITAL COST ESTIMATE

LAND

CONSTRUCTION

OTHER

5,900,000

TOTAL

5,900,000

SUBSIDY M.T.C.

CONTRIBUTIONS

TOTAL

NIL

NET COST

5,900,000

AMOUNT TO BE FINANCED:

REGIONAL

5,900,000

PROPERTY OWNERS

OTHER

TOTAL

5,900,0002. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980

5,900,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL

5,900,0003. DESCRIPTIONRegion to finance the construction
of Transfer Stations for New
Solid Waste System6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/81 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sanitation and Waste Disposal

PROJECT NO. 35253

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 6

1. PROJECT

Sanitary Landfill Site Development
for operational use
Glanbrook

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Region is required to provide
Tricil with the Glanbrook Site
ready for operation

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER 1,500,000
TOTAL 1,500,000

SUBSIDY M.T.C.
CONTRIBUTIONS
TOTAL NIL

NET COST 1,500,000

AMOUNT TO BE FINANCED:
REGIONAL 1,500,000
PROPERTY OWNERS
OTHER
TOTAL 1,500,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:
PRIOR TO BUDGET

1980 1,500,000

1981

1982

1983

1984

1985 AND AFTER
TOTAL 1,500,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sanitation and Waste Disposal

PROJECT NO. 35254

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 6

1. PROJECTServicing the Landfill Site and
Transfer Stations2. MAP TO LOCATE PROJECT3. DESCRIPTION

- Glanbrook Site - Internal Road
Improvement \$100,000
- Dundas Transfer Site 245,000
- Kenora Transfer Site 105,000
- Mountain Transfer Site 170,000
- Weigh Scales 500,000

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER 970,000
TOTAL 970,000

SUBSIDY M.T.C.
CONTRIBUTIONS
TOTAL NIL

NET COST 970,000

AMOUNT TO BE FINANCED:
REGIONAL 970,000
PROPERTY OWNERS
OTHER
TOTAL 970,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 970,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 970,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Homes for the Aged

PROJECT NO. N5102

FILE NO.

DEPT./AGENCY Social Services CAPITAL BUDGET PAGE 7

1. PROJECT

Macassa Lodge Alteration and Additions

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	950,000
OTHER	

TOTAL	950,000
-------	---------

SUBSIDY M.T.C. Provincial	25,000
CONTRIBUTIONS	

TOTAL	25,000
-------	--------

NET COST	925,000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	925,000
PROPERTY OWNERS	
OTHER T.R.	

TOTAL	925,000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1983 Received

EXPENDITURES:

PRIOR TO BUDGET	475,000
-----------------	---------

1980	475,000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	950,000
-------	---------

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

<div>REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH</div> <div>1980/84 CAPITAL BUDGET</div> <div>PROJECT DETAIL</div>		<div>FUNCTIONHomes for the Aged</div> <div>PROJECT NO.N6103FILE NO.</div> <div>DEPT./AGENCYSocial ServicesCAPITAL BUDGET PAGE 7</div>																											
<div>1. PROJECT</div> <div>Proposed Lodge - Stoney Creek</div> <div>- Land Acquisition</div>	<div>4. CAPITAL COST ESTIMATE</div> <table><tr><td>LAND</td><td>200,000</td></tr><tr><td>CONSTRUCTION</td><td></td></tr><tr><td>OTHER</td><td></td></tr><tr><td>TOTAL</td><td>200,000</td></tr><tr><td>SUBSIDY M.T.C.</td><td>100,000</td></tr><tr><td>CONTRIBUTIONS</td><td></td></tr><tr><td>TOTAL</td><td>100,000</td></tr><tr><td>NET COST</td><td>100,000</td></tr><tr><td colspan="2">AMOUNT TO BE FINANCED:</td></tr><tr><td>REGIONAL ST.S.R.</td><td>100,000</td></tr><tr><td>PROPERTY OWNERS</td><td></td></tr><tr><td>OTHER T.R.</td><td></td></tr><tr><td>TOTAL</td><td>100,000</td></tr></table>		LAND	200,000	CONSTRUCTION		OTHER		TOTAL	200,000	SUBSIDY M.T.C.	100,000	CONTRIBUTIONS		TOTAL	100,000	NET COST	100,000	AMOUNT TO BE FINANCED:		REGIONAL ST.S.R.	100,000	PROPERTY OWNERS		OTHER T.R.		TOTAL	100,000	<div>6. NEED FOR PROJECT</div>
LAND	200,000																												
CONSTRUCTION																													
OTHER																													
TOTAL	200,000																												
SUBSIDY M.T.C.	100,000																												
CONTRIBUTIONS																													
TOTAL	100,000																												
NET COST	100,000																												
AMOUNT TO BE FINANCED:																													
REGIONAL ST.S.R.	100,000																												
PROPERTY OWNERS																													
OTHER T.R.																													
TOTAL	100,000																												
<div>2. MAP TO LOCATE PROJECT</div>																													
<div>3. DESCRIPTION</div>	<div>5. CASH FLOW</div> <table><tr><td>O.M.D. REQUIRED</td><td>1983</td></tr><tr><td colspan="2">EXPENDITURES:</td></tr><tr><td colspan="2">PRIOR TO BUDGET</td></tr><tr><td>1980</td><td>200,000</td></tr><tr><td>1981</td><td></td></tr><tr><td>1982</td><td></td></tr><tr><td>1983</td><td></td></tr><tr><td>1984</td><td></td></tr><tr><td>1985 AND AFTER</td><td></td></tr><tr><td>TOTAL</td><td>200,000</td></tr></table>	O.M.D. REQUIRED	1983	EXPENDITURES:		PRIOR TO BUDGET		1980	200,000	1981		1982		1983		1984		1985 AND AFTER		TOTAL	200,000	<div>7. EFFECT ON CURRENT BUDGET</div> <table><tr><td>DEBT CHARGES</td><td></td></tr><tr><td>ANNUAL COSTS</td><td></td></tr><tr><td>TOTAL</td><td></td></tr></table>	DEBT CHARGES		ANNUAL COSTS		TOTAL		
O.M.D. REQUIRED	1983																												
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PRIOR TO BUDGET																													
1980	200,000																												
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REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Homes for the Aged

PROJECT NO.

N6103A

FILE NO.

DEPT./AGENCY

Social Services CAPITAL BUDGET PAGE 7

1. PROJECT

Proposed Lodge - Stoney Creek
including furnishings

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 3,800,000
OTHER

TOTAL 3,800,000

SUBSIDY M.T.C. 1,900,000
CONTRIBUTIONS

TOTAL 1,900,000

NET COST 1,900,000

AMOUNT TO BE FINANCED:
REGIONAL ST.S.R. 1,900,000
PROPERTY OWNERS
OTHER T.R.

TOTAL 1,900,000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980 1,900,000

1981 950,000

1982 950,000

1983

1984

1985 AND AFTER

TOTAL 3,800,000

6. NEED FOR PROJECT2. MAP TO LOCATE PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R4250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1974

4. CAPITAL COST ESTIMATE

LAND	300,000
CONSTRUCTION	
OTHER	

TOTAL	300,000
-------	---------

SUBSIDY M.T.C.	
CL	300,000
CONTRIBUTIONS	

TOTAL	300,000
-------	---------

NET COST	0
----------	---

AMOUNT TO BE FINANCED:
REGIONAL ST.S.R.
PROPERTY OWNERS
OTHER T.R.

TOTAL	0
-------	---

6. NEED FOR PROJECT2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET	300,000
-----------------	---------

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL	300,000
-------	---------

3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R5250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1975

4. CAPITAL COST ESTIMATE

LAND 1,000,000

CONSTRUCTION

OTHER

TOTAL 1,000,000

SUBSIDY M.T.C.

CONTRIBUTIONS CL 1,000,000

TOTAL 1,000,000

NET COST 0

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.

PROPERTY OWNERS

OTHER T.R.

TOTAL 0

6. NEED FOR PROJECT2. MAP TO LOCATE PROJECT3. DESCRIPTION5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET 1,000,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 1,000,000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R6250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1976

4. CAPITAL COST ESTIMATE

LAND 2,200,000
 CONSTRUCTION
 OTHER

TOTAL 2,200,000

SUBSIDY M.T.C.

CONTRIBUTIONS CL 2,200,000

TOTAL 2,200,000

NET COST 0

AMOUNT TO BE FINANCED:
 REGIONAL ST.S.R.
 PROPERTY OWNERS
 OTHER T.R.

TOTAL 0

2. MAP TO LOCATE PROJECT3. DESCRIPTION5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET 2,200,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 2,200,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R7250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1977

4. CAPITAL COST ESTIMATE

LAND 375,000

CONSTRUCTION

OTHER

TOTAL 375,000

SUBSIDY M.T.C.

CONTRIBUTIONS CL 375,000

TOTAL 375,000

NET COST 0

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.

PROPERTY OWNERS

OTHER T.R.

TOTAL 0

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET 375,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 375,000

6. NEED FOR PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R8250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1978

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND 919,000

CONSTRUCTION

OTHER

TOTAL 919,000

SUBSIDY M.T.C.

CONTRIBUTIONS CL 919,000

TOTAL 919,000

NET COST 0

AMOUNT TO BE FINANCED:
 REGIONAL ST.S.R.
 PROPERTY OWNERS
 OTHER T.R.

TOTAL 0

5. CASH FLOW

O.M.D. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET 919,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 919,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Industrial Development

PROJECT NO.

R9250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 8

1. PROJECT

Land Acquisition

1979

4. CAPITAL COST ESTIMATE

LAND 566,000

CONSTRUCTION

OTHER

TOTAL 566,000

SUBSIDY M.T.C.

CONTRIBUTIONS CL 566,000

TOTAL 566,000

NET COST 0

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.

PROPERTY OWNERS

OTHER T.R.

TOTAL 0

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET 566,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 566,000

6. NEED FOR PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R10250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 9

1. PROJECT

Land Acquisition

1980

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND 1,000,000
CONSTRUCTION
OTHER

TOTAL 1,000,000

SUBSIDY M.T.C.

CONTRIBUTIONS LS 500,000

TOTAL 500,000

NET COST 500,000

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R. 500,000

PROPERTY OWNERS

OTHER T.R.

TOTAL 500,000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980 500,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 500,000

6. NEED FOR PROJECT

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION Industrial Development PROJECT NO. R11250 DEPT./AGENCY Engineering		FILE NO. CAPITAL BUDGET PAGE 9
1. PROJECT Land Acquisition 1981	4. CAPITAL COST ESTIMATE LAND 600,000 CONSTRUCTION OTHER TOTAL 600,000 SUBSIDY M.T.C. CONTRIBUTIONS LS 600,000 TOTAL 600,000 NET COST 0 AMOUNT TO BE FINANCED: REGIONAL ST.S.R. PROPERTY OWNERS OTHER T.R. TOTAL 0		6. NEED FOR PROJECT	
	5. CASH FLOW O.M.D. REQUIRED 1983 EXPENDITURES: PRIOR TO BUDGET 1980 1981 600,000 1982 1983 1984 1985 AND AFTER TOTAL 600,000			
3. DESCRIPTION			7. EFFECT ON CURRENT BUDGET DEBT CHARGES ANNUAL COSTS TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Industrial Development

PROJECT NO. R12250

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 9

1. PROJECT

Land Acquisition

1982

4. CAPITAL COST ESTIMATE

LAND 350,000

CONSTRUCTION

OTHER

TOTAL 350,000

SUBSIDY M.T.C.

CONTRIBUTIONS LS 350,000

TOTAL 350,000

NET COST 0

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.

PROPERTY OWNERS

OTHER T.R.

TOTAL 0

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 350,000

1983

1984

1985 AND AFTER

TOTAL 350,000

6. NEED FOR PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 35236

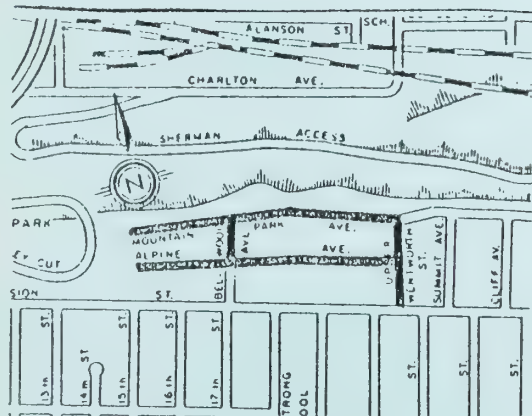
FILE NO. 801-06

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 10

1. PROJECT

 Alpine, Mountain Park, Bellwood Ave.,
Upper Wentworth St., - Storm Sewers

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

 Local storm sewers, private drain, and
road repairs.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	498,000
OTHER	
TOTAL	498,000
SUBSIDY R.S.	170,000
CONTRIBUTIONS	
TOTAL	170,000
NET COST	328,000

AMOUNT TO BE FINANCED:	
REGIONAL	328,000
PROPERTY OWNERS	
OTHER	
TOTAL	328,000

5. CASH FLOW

O.M.D. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	470,000
1980	28,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	498,000

6. NEED FOR PROJECT

 To replace a deteriorated,
undersized, and shallow
combined sewer

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 36207

FILE NO. 813-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 10

1. PROJECT

MacNab St. Trunk Storm Sewer
Cannon St. to Harbour - Engineering

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk Tunnel Storm Sewer

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	250,000
TOTAL	250,000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL

NET COST	250,000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL St. S.R.	250,000
PROPERTY OWNERS	
OTHER	
TOTAL	250,000

5. CASH FLOW

O.M.B. REQUIRED	Received
-----------------	----------

EXPENDITURES:

PRIOR TO BUDGET	200,000
-----------------	---------

1980	50,000
------	--------

1981	
------	--

1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
----------------	--

TOTAL 250,000

6. NEED FOR PROJECT

The trunk sewer is required
to relieve an overloaded
trunk sewer system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
--------------	--

ANNUAL COSTS	
--------------	--

TOTAL	
-------	--

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 37223

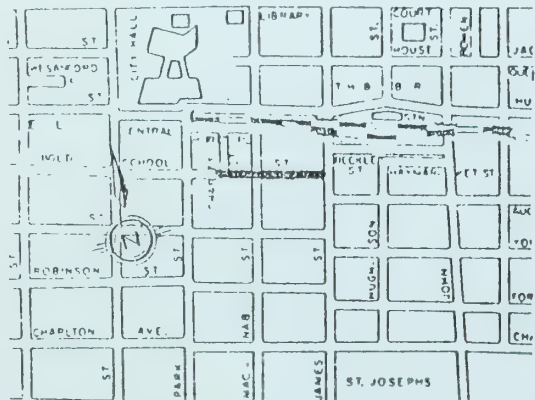
FILE NO. 802-15

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 10

1. PROJECT

Bold St. from James St. to Charles St.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Storm Sewer, private drains and road repairs

Approx. size 15" to 21"

Approx. length 780 feet

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	130,000
OTHER	
TOTAL	130,000
SUBSIDY R.S.	60,000
CONTRIBUTIONS	
TOTAL	60,000
NET COST	70,000

AMOUNT TO BE FINANCED:

REGIONAL St. S.R.	70,000
PROPERTY OWNERS	
OTHER	
TOTAL	70,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 83,000

1980 47,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 130,000

6. NEED FOR PROJECT

The existing sewer is inadequate in size and cannot be maintained properly.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1990/94 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. H1204, H2303, H2304 FILE NO.

DEPT./AGENCY Engineering CAPITAL BUDGET PAGE 10

1. PROJECT

Limeridge Road, Upper Wentworth
Street, Upper Wellington Street
(O.H.A.P. - 996/1978)

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 1,541,000
OTHER

TOTAL 1,541,000

SUBSIDY M.T.C. 233,000
CONTRIBUTIONS

TOTAL 233,000

NET COST 1,308,000

AMOUNT TO BE FINANCED:

REGIONAL 996,000
PROPERTY OWNERS 312,000
OTHER

TOTAL 1,308,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 933,000

1980 608,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 1,541,000

6. NEED FOR PROJECT

Provide for New Development
and prevent surface flooding

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 35200 A

FILE NO. 807-08

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECTGershome Trunk Storm Sewer -
Construction4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	385,000
OTHER	

TOTAL	385,000
-------	---------

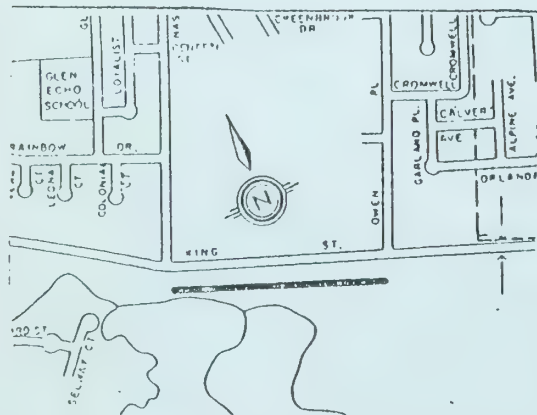
SUBSIDY	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	385,000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL	385,000
PROPERTY OWNERS	
OTHER	

TOTAL	385,000
-------	---------

6. NEED FOR PROJECTTo provide service to
Gershome Neighbourhood2. MAP TO LOCATE PROJECT5. CASH FLOW

O.N.B. REQUIRED	Received
-----------------	----------

EXPENDITURES:

PRIOR TO BUDGET	320,000
-----------------	---------

1980	65,000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	385,000
-------	---------

3. DESCRIPTIONBranch trunk sewer from existing
channel to Greenhill Ave. - 60"
diameter7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 36235A

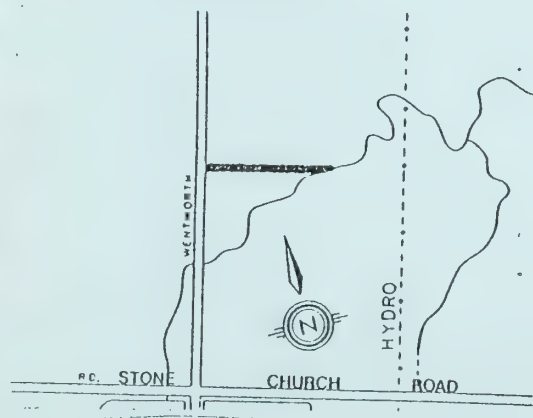
FILE NO. 818-07

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECT

Red Hill Creek Trunk Sewer - from
approximately 213 metres east of
Upper Wentworth Street to Upper
Wentworth Street,
- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk Storm Sewer
Approx. size 4.9 x 5.5 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	525,000
OTHER	
TOTAL	525,000
SUBSIDY CMHC	17,000
CONTRIBUTIONS	
TOTAL	17,000
NET COST	508,000

AMOUNT TO BE FINANCED:	
REGIONAL St.S.R.	508,000
PROPERTY OWNERS	
OTHER	
TOTAL	508,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 60,000

1980 465,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 525,000

6. NEED FOR PROJECT

The project is required to
provide service to future
developments in the Red Hill
Creek basin, west of Upper
Wentworth St.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 36208A

FILE NO. 813-17

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECT

Mt. Industrial Trunk Sewer -
Western Connection -
Construction (Storm)

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm box sewer, approx. size 13' x 9'
and 42" dia. storm sewer.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	486,000
OTHER	
TOTAL	486,000
SUBSIDY CMHC	15,000
CONTRIBUTIONS	
TOTAL	15,000
NET COST	471,000

AMOUNT TO BE FINANCED:

REGIONAL ST. S.R.	471,000
PROPERTY OWNERS	
OTHER	
TOTAL	471,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	350,000
1980	136,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	486,000

6. NEED FOR PROJECT

To provide an outlet for
residential and industrial
development on both sides
of Rymal Road between the
C.N.R. Line and Upper Sherman
Avenue.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 37212

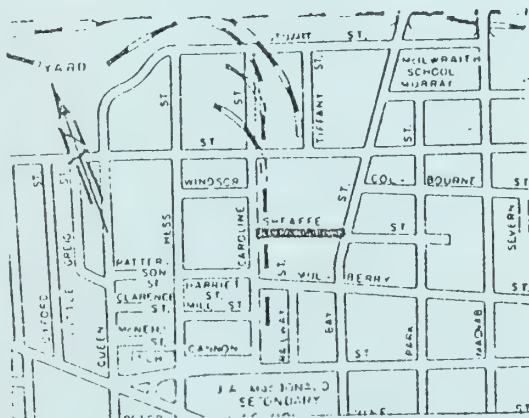
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECT

Sheaffe Street, from Caroline to
Bay St. - Reconstruction of Sewers

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, private drains
and road repairs. Approx. size
12" to 15" dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	58,000
OTHER	
TOTAL	58,000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL
NET COST	58,000

AMOUNT TO BE FINANCED:	
REGIONAL St.S.R.	58,000
PROPERTY OWNERS	
OTHER	
TOTAL	58,000

5. CASH FLOW

O.M.D. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET	40,000
1980	18,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	58,000

6. NEED FOR PROJECT

Reconstruction of existing
sewer which has structurally
failed

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 38242

FILE NO. 808-11

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECT

Hilton Street -
from Markland St. to
Aberdeen Ave.

- Sewer reconstruction

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers,
460 and 530 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	50,000
OTHER	
TOTAL	50,000
SUBSIDY M.T.C.	20,000
CONTRIBUTIONS	
TOTAL	20,000
NET COST	30,000

AMOUNT TO BE FINANCED:	
REGIONAL St.S.R.	30,000
PROPERTY OWNERS	
OTHER	
TOTAL	30,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	50,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	50,000

6. NEED FOR PROJECT

To replace the existing
combined sewer, which has
failed structurally.
The replacement must be done
in conjunction with the
road reconstruction in 1978.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 38243

FILE NO. 823-29

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 11

1. PROJECT

Wentworth Street - from Main Street
to T.H.&B. Main Line

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm relief sewer
610 to 760 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	360,000
OTHER	
TOTAL	360,000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL
NET COST	360,000

AMOUNT TO BE FINANCED:	
REGIONAL St. S.R.	200,000
PROPERTY OWNERS	
OTHER	160,000
TOTAL	360,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	360,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	360,000

6. NEED FOR PROJECT

The Region proposes to
reconstruct the pavement
and existing combined
sewer is severely overloaded.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewer

PROJECT NO. H2309

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 12

1. PROJECT

Upper Wentworth Street and Stone Church
Road from approximately 430 metres
north of Stone Church Road to approx.
240 metres west of Upper Wentworth
Street
- Region's Portion

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 1,700,000
OTHER

TOTAL 1,700,000

CMHC 270,000

SUBSIDY M.T.C. 30,000

CONTRIBUTIONS CF 10,000

TOTAL 310,000

NET COST 1,390,000

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R. 1,390,000

PROPERTY OWNERS

OTHER T.R.

TOTAL 1,390,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980 410,000

1981 600,000

1982 690,000

1983

1984

1985 AND AFTER

TOTAL 1,700,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 38244

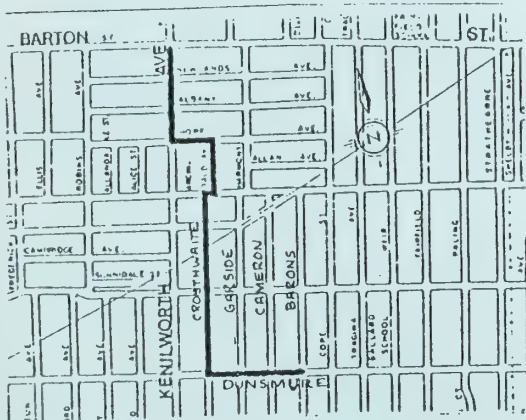
FILE NO. 803-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 12

1. PROJECT

Dunsmuir, Crosthwaite, Archibald, Hope
and Kenilworth Ave. - Barons to Barton
Street

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewer, approx. 1220 mm dia.
private drains and road repairs.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	950,000
OTHER	
TOTAL	950,000
SUBSIDY M.T.C.	300,000
CONTRIBUTIONS	
TOTAL	300,000
NET COST	650,000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	650,000
PROPERTY OWNERS	
OTHER T.R.	
TOTAL	650,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980 900,000

1981 50,000

1982

1983

1984

1985 AND AFTER

TOTAL 950,000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 39214

FILE NO. 819-18

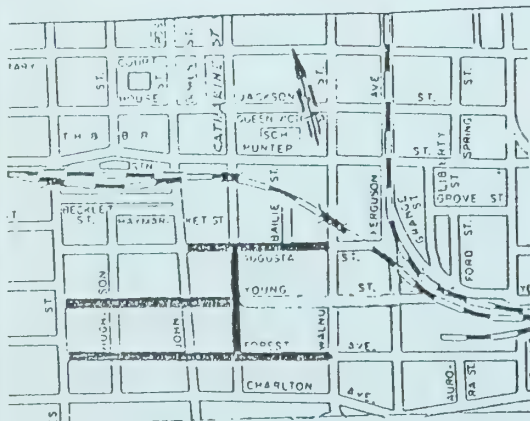
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 12

1. PROJECT

Charlton System

- Storm Sewers

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, private drains and road repairs. Approx. size 380 to 1070 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	370,000
OTHER	
TOTAL	370,000
SUBSIDY M.T.C.	170,000
CONTRIBUTIONS T.R.	40,000
TOTAL	210,000
NET COST	160,000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	160,000
PROPERTY OWNERS	
OTHER T.R.	
TOTAL	160,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	160,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	160,000

6. NEED FOR PROJECT

Upgrade overloaded sewers and connect the new sewers to new trunk.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION Storm Sewers PROJECT NO. 39216 DEPT./AGENCY Engineering	FILE NO. CAPITAL BUDGET PAGE 12
<u>1. PROJECT</u>	<u>4. CAPITAL COST ESTIMATE</u>	<u>6. NEED FOR PROJECT</u>	
Young Street, James Street to Catherine Street - Storm Sewer	LAND CONSTRUCTION 155,000 OTHER _____ TOTAL 155,000 SUBSIDY M.T.C. CONTRIBUTIONS 70,000 _____ TOTAL 70,000 NET COST 85,000 _____ AMOUNT TO BE FINANCED: REGIONAL 85,000 PROPERTY OWNERS OTHER _____ TOTAL 85,000		
<u>2. MAP TO LOCATE PROJECT</u>	<u>5. CASH FLOW</u>		
	O.M.B. REQUIRED Received EXPENDITURES: PRIOR TO BUDGET 1980 155,000 1981 _____ 1982 _____ 1983 _____ 1984 _____ 1985 AND AFTER _____ TOTAL 155,000		
<u>3. DESCRIPTION</u>		<u>7. EFFECT ON CURRENT BUDGET</u>	
		DEBT CHARGES _____ ANNUAL COSTS _____ TOTAL _____	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION PROJECT NO. 39217 DEPT./AGENCY Engineering		FILE NO. CAPITAL BUDGET PAGE 12
<u>1. PROJECT</u> Holton Ave. from Delaware Ave. to 75 metres southerly - Storm Sewers	<u>4. CAPITAL COST ESTIMATE</u> LAND CONSTRUCTION 30,000 OTHER TOTAL 30,000 SUBSIDY M.T.C. CONTRIBUTIONS TOTAL 14,000 NET COST 16,000 AMOUNT TO BE FINANCED: REGIONAL 16,000 PROPERTY OWNERS OTHER TOTAL 16,000		<u>6. NEED FOR PROJECT</u>	
<u>2. MAP TO LOCATE PROJECT</u>	<u>5. CASH FLOW</u> O.M.B. REQUIRED Received EXPENDITURES: PRIOR TO BUDGET 1980 30,000 1981 1982 1983 1984 1985 AND AFTER TOTAL 30,000		<u>7. EFFECT ON CURRENT BUDGET</u> DEBT CHARGES ANNUAL COSTS TOTAL	
<u>3. DESCRIPTION</u>				

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 39218

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 13

1. PROJECT

Murray St. from John St. to Mary St.

- Storm Sewers

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 95,000
OTHER

TOTAL 95,000

SUBSIDY M.T.C.
CONTRIBUTIONS 50,000

TOTAL 50,000

NET COST 45,000

AMOUNT TO BE FINANCED:
REGIONAL 45,000
PROPERTY OWNERS
OTHER

TOTAL 45,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:
PRIOR TO BUDGET

1980 95,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 95,000

6. NEED FOR PROJECT

3. DESCRIPTION

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 39219

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 13

1. PROJECTAberdeen Ave. from McDonald to
Flatt Ave.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	65,000
OTHER	

TOTAL	65,000
-------	--------

SUBSIDY M.T.C.	35,000
CONTRIBUTIONS	

TOTAL	35,000
-------	--------

NET COST	30,000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL	30,000
PROPERTY OWNERS	
OTHER	

TOTAL	30,000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET	30,000
-----------------	--------

1980	35,000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	65,000
-------	--------

6. NEED FOR PROJECT2. MAP TO LOCATE PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
--------------	--

ANNUAL COSTS	
--------------	--

TOTAL	
-------	--

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 39220

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 13

1. PROJECT

Ottawa St. from Main St. to Maple Ave.

- Storm Sewers

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	120,000
OTHER	

TOTAL	120,000
-------	---------

SUBSIDY M.T.C.	50,000
CONTRIBUTIONS T.R.	30,000

TOTAL	80,000
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NET COST	40,000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL	40,000
PROPERTY OWNERS	
OTHER	

TOTAL	40,000
-------	--------

5. CASH FLOW

O.M.D. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980	90,000
------	--------

1981	30,000
------	--------

1982

1983

1984

1985 AND AFTER

TOTAL 120,000

6. NEED FOR PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 39221

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 13

1. PROJECTLincoln St. from Barton St. to
Linden St.

- Storm Sewers

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	80,000
OTHER	

TOTAL 80,000

SUBSIDY M.T.C.	40,000
CONTRIBUTIONS	

TOTAL 40,000

NET COST 40,000

AMOUNT TO BE FINANCED:	
REGIONAL	40,000
PROPERTY OWNERS	
OTHER	

TOTAL 40,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 80,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 80,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39202

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 13

1. PROJECT

Southwest Central Area,
Reconstruction of Sewers on Bold St.
from Bay St. to Hess Street

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 260,000
OTHER

TOTAL 260,000

SUBSIDY M.T.C. 125,000
CONTRIBUTIONS

TOTAL 125,000

NET COST 135,000

AMOUNT TO BE FINANCED:
REGIONAL 135,000
PROPERTY OWNERS
OTHER

TOTAL 135,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 270,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 270,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation - Storm Sewers

PROJECT NO. 30215

FILE NO.

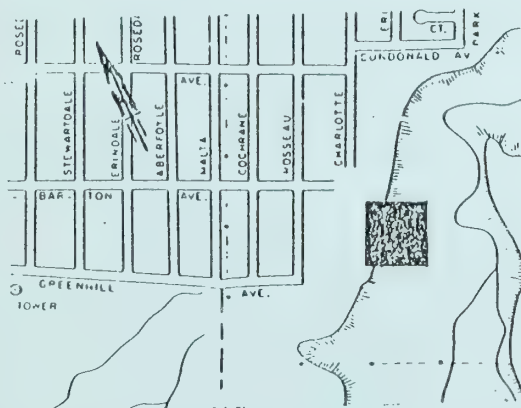
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 13

1. PROJECT

Greenhill Ave., - Storage - Treatment
basin,
Engineering and Land

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

90 Million litre partially covered
storage tank and settling basin.

4. CAPITAL COST ESTIMATE

LAND	50 000
CONSTRUCTION	
OTHER	<u>170 000</u>
TOTAL	<u>220 000</u>

SUBSIDY	
CONTRIBUTIONS	
TOTAL	<u>NIL</u>

NET COST	<u><u>220 000</u></u>
----------	-----------------------

AMOUNT TO BE FINANCED:	
REGIONAL	220 000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>220 000</u>

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980 100 000

1981 120 000

1982

1983

1984

1985 AND AFTER

TOTAL 220 0006. NEED FOR PROJECT

To reduce pollution in Red
Hill Creek and Burlington Bay by
controlling overflow from the
combined sewer trunk.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u>26 700</u>
ANNUAL COSTS	<u>N/A</u>
TOTAL	<u>26 700</u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30230

FILE NO. 816-38

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 14

1. PROJECT

Province Street,-
from King Street to 150 metres
Southerly,-
Storm Sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers,-
approx. size 450 mm dia.,
approx. length 150 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	85 000
OTHER	
TOTAL	85 000
SUBSIDY M.T.C.	40 000
CONTRIBUTIONS	
TOTAL	40 000
NET COST	45 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	45 000
PROPERTY OWNERS	
OTHER	
TOTAL	45 000

5. CASH FLOW

O.M.B. REQUIRED	1980
EXPENDITURES:	
PRIOR TO BUDGET	
1980	85 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	85 000

6. NEED FOR PROJECT

The existing combined sewer is inadequate in size for storm drainage of the area. Storm sewers must be installed in conjunction with the planned road reconstruction in 1980 to reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	5 500
ANNUAL COSTS	100
TOTAL	5 600

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30231

FILE NO. 814-09

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 14

1. PROJECT

New Street -

from Main Street to Edison Street -

Storm Sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, approx. size

450 mm dia., approx. length 190 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	115 000
OTHER	

TOTAL	115 000
-------	---------

SUBSIDY M.T.C.	50 000
CONTRIBUTIONS	

TOTAL	50 000
-------	--------

NET COST	65 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	65 000
PROPERTY OWNERS	
OTHER	

TOTAL	65 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	115 000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	115 000
-------	---------

6. NEED FOR PROJECT

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction in 1980 to reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	7 900
--------------	-------

ANNUAL COSTS	100
--------------	-----

TOTAL	8 000
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30232

FILE NO. 819-46

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 14

1. PROJECT

Strathcona Avenue -
from 40 metres South of York Street
to Tom Street -
Storm Sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, approx. size
450 mm dia., approx. length 84 metres

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	50 000
OTHER	
TOTAL	50 000
SUBSIDY M.T.C.	20 000
CONTRIBUTIONS	
TOTAL	20 000
NET COST	30 000

AMOUNT TO BE FINANCED:

REGIONAL ST. S.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	50 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	50 000

6. NEED FOR PROJECT

Completion of storm sewer
installation on Strathcona
Avenue from the South end of
existing stub at York Street to
Tom Street, for utilizing the
new storm sewer system on York
Street and relieving overload
in the existing combined
sewer system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 600
ANNUAL COSTS	100
TOTAL	3 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30233

FILE NO. 802-31

DEPT./AGENCY Engineering

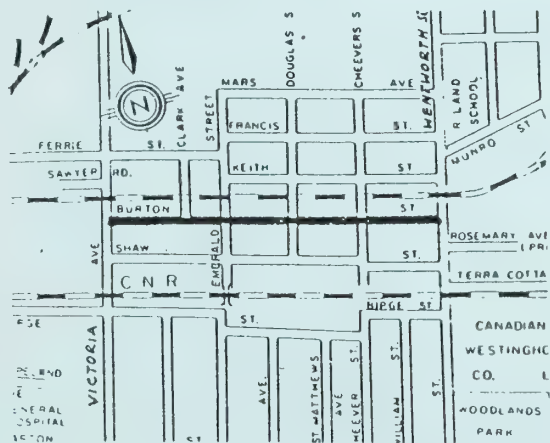
CAPITAL BUDGET PAGE 14

1. PROJECT

Burton Street
from Victoria to Wentworth,-

Storm sewers and sewer repairs.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm sewers and combined
sewer repairs,
approx. size 600 to 900 mm dia.,
approx. length 420 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	365 000
OTHER	
TOTAL	365 000
SUBSIDY MTC	160 000
CONTRIBUTIONS	
TOTAL	160 000
NET COST	205 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	205 000
PROPERTY OWNERS	
OTHER	
TOTAL	205 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	365 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	365 000

6. NEED FOR PROJECT

The existing combined sewer
is inadequate in size for
storm drainage of the area.

Storm sewers must be
installed in conjunction
with the planned road
reconstruction by Area
Municipality in 1980 to
reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	24 900
ANNUAL COSTS	200
TOTAL	25 100

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30234

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 14

1. PROJECT

Belview Avenue from Barton St.
to 80 m southerly, - Storm sewers.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewer,
approx. size 525 mm dia.,
approx. length 80 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	50 000
OTHER	
TOTAL	50 000
SUBSIDY M.T.C.	20 000
CONTRIBUTIONS	
TOTAL	20 000
NET COST	30 000

AMOUNT TO BE FINANCED:

REGIONAL ST. S.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	50 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	50 000

6. NEED FOR PROJECT

Storm sewers must be
installed in conjunction
with the planned road
reconstruction by Area
Municipality in 1980 to
relieve the existing over-
loaded combined sewer system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 600
ANNUAL COSTS	100
TOTAL	3 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30235

DEPT./AGENCY Engineering

FILE NO. 814-10

CAPITAL BUDGET PAGE 14

1. PROJECT

Norway Avenue -
from Maplewood Avenue to
96 metres Southerly -
Storm Sewers
Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, approx. size 450 mm
dia., approx. length 95 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	55 000
OTHER	
TOTAL	55 000
SUBSIDY M.T.C.	25 000
CONTRIBUTIONS	
TOTAL	25 000
NET COST	30 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	55 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	55 000

6. NEED FOR PROJECT

The existing combined sewer
is inadequate in size for
storm drainage of the area.
Storm sewers must be installed
in conjunction with the planned
road reconstruction in 1980
to reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 600
ANNUAL COSTS	100
TOTAL	3 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 30236

FILE NO. 803-26

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 15

1. PROJECT

Caroline Street -
from Bold Street to 52 m Northerly -
Sewer reconstruction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewer, 300 mm dia.,
approx. length 55 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	30 000
OTHER	

TOTAL	30 000
-------	--------

SUBSIDY M.T.C.	15 000
CONTRIBUTIONS	

TOTAL	15 000
-------	--------

NET COST	15 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	15 000
PROPERTY OWNERS	
OTHER	

TOTAL	15 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	30 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	30 000
-------	--------

6. NEED FOR PROJECT

The existing combined sewer is inadequate for storm drainage of the area and cannot be maintained properly.

Sewers must be reconstructed in conjunction with the planned roadwork in 1980.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	1 800
--------------	-------

ANNUAL COSTS	100
--------------	-----

TOTAL	1 900
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Storm Sewers

PROJECT NO. 31218

FILE NO. 823-17

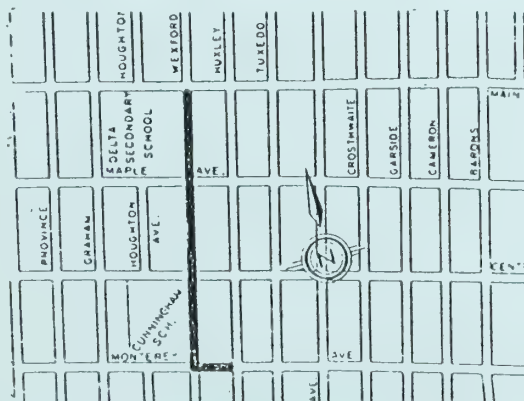
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 15

1. PROJECT

Wexford from Main St., to Monterey
and on Monterey from Wexford.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Relief Sewer together with drains
and road repairs.

Approx. size 610 to 910 mm dia.

Approx. length 610 metres

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	600 000
OTHER	

TOTAL	600 000
-------	---------

SUBSIDY M.T.C.	250 000
CONTRIBUTIONS	

TOTAL	250 000
-------	---------

NET COST	350 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	350 000
PROPERTY OWNERS	
OTHER	

TOTAL	350 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 100 000

1982 500 000

1983

1984

1985 AND AFTER

TOTAL	600 000
-------	---------

6. NEED FOR PROJECT

To reduce basement flooding
in Wexford St. area.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	42 500
--------------	--------

ANNUAL COSTS	200
--------------	-----

TOTAL	42 700
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Transportation - Storm Sewers

PROJECT NO.

31219

FILE NO. 821-07

DEPT./AGENCY

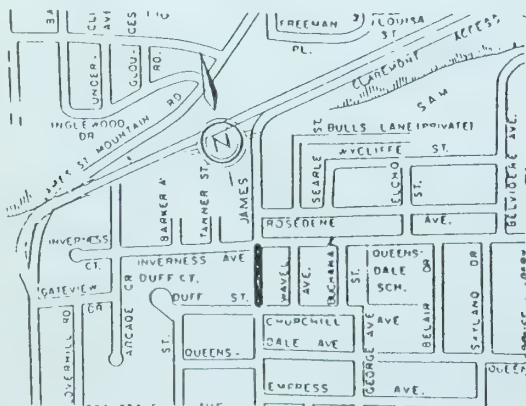
Engineering

CAPITAL BUDGET PAGE 15

1. PROJECT

Upper James St. - Inverness Ave. to
Duff St.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewer, private drains,
and road repairs.

Approx. size 1070 mm dia.

Approx. length 138 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	150 000
OTHER	
TOTAL	150 000
SUBSIDY M.T.C.	60 000
CONTRIBUTIONS	
TOTAL	60 000
NET COST	90 000

AMOUNT TO BE FINANCED:

REGIONAL ST. S.R.	80 000
PROPERTY OWNERS	
OTHER T.R.	10 000
TOTAL	90 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

150 000

1982

1983

1984

1985 AND AFTER

TOTAL 150 000

6. NEED FOR PROJECT

To reduce basement flooding
on Duff St. and Duff Court.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	9 700
ANNUAL COSTS	100
TOTAL	9 800

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION TRANSPORTATION - STORM SEWERS

PROJECT NO. 31222

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 15

1. PROJECT

Garfield Ave. N., Fairholt
Rd. N. and King St.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, 300 to 530 mm dia.
private drains & road repairs.

Approx. length 214 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	200 000
OTHER	

TOTAL	200 000
-------	---------

SUBSIDY M.T.C.	80 000
CONTRIBUTIONS	

TOTAL	80 000
-------	--------

NET COST	120 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	120 000
PROPERTY OWNERS	
OTHER	

TOTAL	120 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 50 000

1982 150 000

1983

1984

1985 AND AFTER

TOTAL	200 000
-------	---------

6. NEED FOR PROJECT

To reduce basement flooding

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	14 600
--------------	--------

ANNUAL COSTS	100
--------------	-----

TOTAL	14 700
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 31223

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 15

1. PROJECT

Caroline Street from King St.
to George St. - Storm sewers.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewer,
approx. size 525 mm dia.,
approx. length 92 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	60 000
OTHER	
TOTAL	60 000
SUBSIDY MTC	25 000
CONTRIBUTIONS	
TOTAL	25 000
NET COST	35 000

AMOUNT TO BE FINANCED:	
REGIONAL S.T.S.R.	35 000
PROPERTY OWNERS	
OTHER	
TOTAL	35 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:
PRIOR TO BUDGET

1980	
1981	60 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	60 000

6. NEED FOR PROJECT

The existing combined sewer
is inadequate in size for
storm drainage of the area.

The completion of storm
sewer installation from
the existing stub at King
St. to George St. is
required in conjunction with
road reconstruction.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 300
ANNUAL COSTS	100
TOTAL	4 400

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 31224

FILE NO.

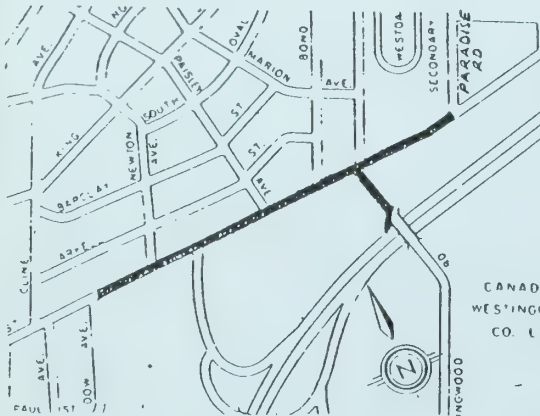
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Main Street from Paradise Rd. to Dow Ave. and Longwood Rd. outlet, - Storm sewers.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm Sewers with outlet to Chedoke Creek, approx. size 375 to 900 mm dia., approx. length 685 metres.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 350 000
OTHER

TOTAL 350 000

SUBSIDY MTC
CONTRIBUTIONS 100 000

TOTAL 100 000

NET COST 250 000

AMOUNT TO BE FINANCED:
REGIONAL ST. S.R. 170 000
PROPERTY OWNERS
OTHER T.R. 80 000

TOTAL 250 000

5. CASH FLOW

O.N.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

50 000

1982

300 000

1983

1984

1985 AND AFTER

TOTAL 350 000

6. NEED FOR PROJECT

The planned widening of roadway will increase the flow in the existing overloaded combined sewers, therefore storm sewers are required to alleviate this condition.

7. *EFFECT ON CURRENT BUDGET

DEBT CHARGES 20 700

ANNUAL COSTS 300

TOTAL 21 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Storm Sewers

PROJECT NO. 32216

FILE NO. 823-18

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Warren Ave. from McElroy Ave. to
Mohawk Road and on Mohawk Road to
approximately 128 m easterly

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm relief sewer, private drains
and road repairs.

Approx. size 610 to 1070 m dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	500 000
OTHER	

TOTAL	500 000
-------	---------

SUBSIDY M.T.C.	200 000
CONTRIBUTIONS	

TOTAL	200 000
-------	---------

NET COST	300 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	260 000
PROPERTY OWNERS	
OTHER T.R.	40 000

TOTAL	300 000
-------	---------

5. CASH FLOW

O.M.E. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 50 000

1983 450 000

1984

1985 AND AFTER

TOTAL	500 000
-------	---------

6. NEED FOR PROJECT

To reduce basement flooding
in houses on the south side
of Mohawk Road and Warren Ave.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	31 600
--------------	--------

ANNUAL COSTS	800
--------------	-----

TOTAL	32 400
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Storm Sewers

PROJECT NO. 32217

FILE NO. 801-08

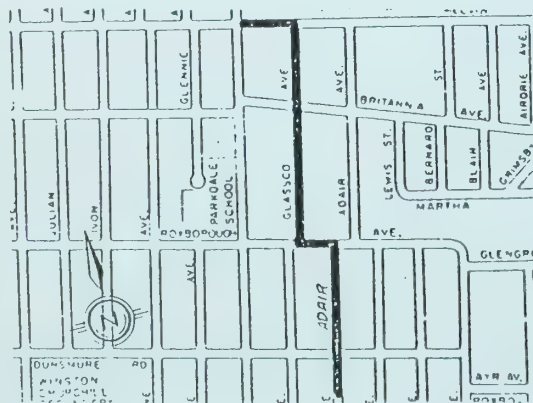
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Adair, Roxborough, Glasco and Melvin, -
Parkdale to Barton Street

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm Relief Sewer, private drains and
road repairs.

Approx. size 610 to 1070 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	800 000
OTHER	
TOTAL	800 000
SUBSIDY M.T.C.	300 000
CONTRIBUTIONS	
TOTAL	300 000
NET COST	500 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	500 000
PROPERTY OWNERS	
OTHER	
TOTAL	500 000

5. CASH FLOW

O.N.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	100 000
1983	700 000
1984	
1985 AND AFTER	
TOTAL	800 000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	60 800
ANNUAL COSTS	1 000
TOTAL	61 800

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Storm Sewers

PROJECT NO. 30215A

FILE NO.

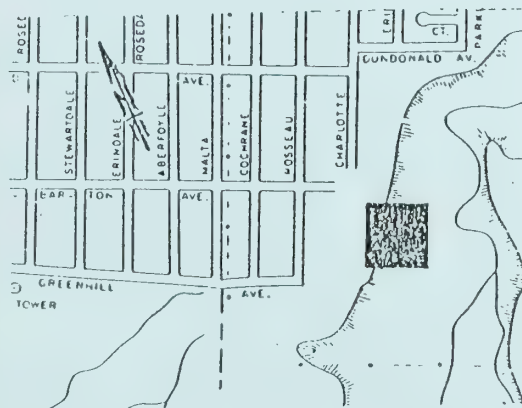
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Greenhill Ave.,
Storage treatment basin, -
Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

90 Million litre partially covered storage tank and settling basin for storage and partial treatment of overflow from Greenhill Ave. trunk sewer.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 500 000
OTHER	

TOTAL	2 500 000
-------	-----------

SUBSIDY M.O.E.	300 000
CONTRIBUTIONS	

TOTAL	300 000
-------	---------

NET COST	2 200 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	2 200 000
PROPERTY OWNERS	
OTHER	

TOTAL	2 200 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982	500 000
------	---------

1983	1 500 000
------	-----------

1984	500 000
------	---------

1985 AND AFTER

TOTAL	2 500 000
-------	-----------

6. NEED FOR PROJECT

To reduce pollution in Red Hill Creek and Burlington Bay by controlling overflow from a combined sewer system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	267 400
--------------	---------

ANNUAL COSTS	5 000
--------------	-------

TOTAL	272 400
-------	---------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Storm Sewers

PROJECT NO. 32334

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Sherman - Cannon Area

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Storm Relief Sewer together with private drains and road repairs.

Approx. size 300 to 610 mm dia.

Approx. length 825 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	700 000
OTHER	
TOTAL	700 000
SUBSIDY M.T.C.	300 000
CONTRIBUTIONS	
TOTAL	300 000
NET COST	400 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	360 000
PROPERTY OWNERS	
OTHER T.R.	40 000
TOTAL	400 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	50 000
1983	650 000
1984	
1985 AND AFTER	
TOTAL	700 000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	43 800
ANNUAL COSTS	300
TOTAL	44 100

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

- Storm Sewers

PROJECT NO. 32225

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 16

1. PROJECT

Belview Avenue,-
between Dunsmure Road and
Roxborough Ave.,-

Storm relief sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Storm relief sewers,
drains and road repairs.
Approx. size 380 to 460 mm dia.
Approx. length 213 metres

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 170 000
OTHER

TOTAL 170 000

SUBSIDY M.T.C. 80 000.
CONTRIBUTIONS

TOTAL 80,000

NET COST 90,000

AMOUNT TO BE FINANCED:
REGIONAL ST. S.R. 90 000
PROPERTY OWNERS
OTHER

TOTAL 90 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 40 000

1983 130 000

1984

1985 AND AFTER

TOTAL 170 000

6. NEED FOR PROJECT

To reduce basement
flooding

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 10 900

ANNUAL COSTS 100

TOTAL 11 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

- Storm Sewers

PROJECT NO. 32226

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 17

1. PROJECT

Park Row South,-
from Main Street to Monterey Ave.,-

Storm relief sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm relief sewer
together with drains and road
repairs.
Approx. size 760 to 910 mm dia.
Approx. length 550 metres

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	470 000
OTHER	

TOTAL	470 000
-------	---------

SUBSIDY M.T.C.	200 000
CONTRIBUTIONS	

TOTAL	200 000
-------	---------

NET COST	270 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	270 000
PROPERTY OWNERS	
OTHER	

TOTAL	270 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 40 000

1983 430,000

1984

1985 AND AFTER

TOTAL 470 000

6. NEED FOR PROJECT

To reduce basement flooding

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 32 800

ANNUAL COSTS 200

TOTAL 33 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

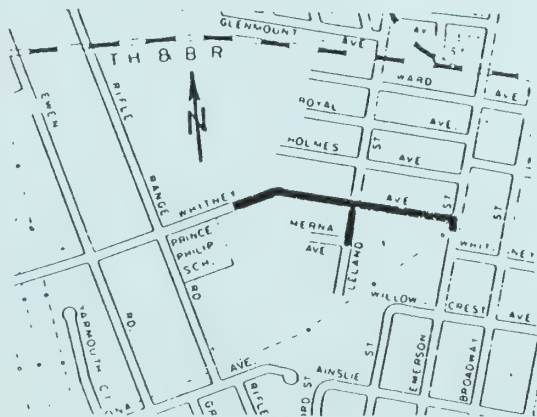
- Storm Sewers

PROJECT NO. 32227

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 17

1. PROJECTWhitney Avenue - Leland Street
area,-Storm relief sewers
Hamilton2. MAP TO LOCATE PROJECT3. DESCRIPTIONLocal storm relief sewers together
with drains and road repairs.

Approx. size 460 to 690 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	450 000
OTHER	

TOTAL 450 000

SUBSIDY M.T.C.	220 000
CONTRIBUTIONS	

TOTAL 220 000

NET COST 230 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	230 000
PROPERTY OWNERS	
OTHER	

TOTAL 230 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 50 000

1983 400 000

1984

1985 AND AFTER

TOTAL 450 000

6. NEED FOR PROJECTTo reduce basement
flooding7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 28 000

ANNUAL COSTS 200

TOTAL 28 200

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Storm Sewers

PROJECT NO. 32228

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 17

1. PROJECT

Gibson Avenue,-
from Cannon St. to Barton St.,-
reconstruction of sewers.

Hamilton

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

Storm Relief Sewer together
with road repairs.
Approx. size 380 to 530 mm dia.
Approx. length 250 m

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	240 000
OTHER	
TOTAL	240 000
SUBSIDY M.T.C.	100 000
CONTRIBUTIONS	
TOTAL	100 000
NET COST	140 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	140 000
PROPERTY OWNERS	
OTHER	
TOTAL	140 000

5. CASH FLOW

O.N.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980 .

1981

1982

1983

1984

1985 AND AFTER

TOTAL 240 000

40 000

200 000

6. NEED FOR PROJECT

To reduce basement
flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	17 000
ANNUAL COSTS	100
TOTAL	17 100

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84

CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 33242

FILE NO. 819-18

DEPT./AGENCY Engineering

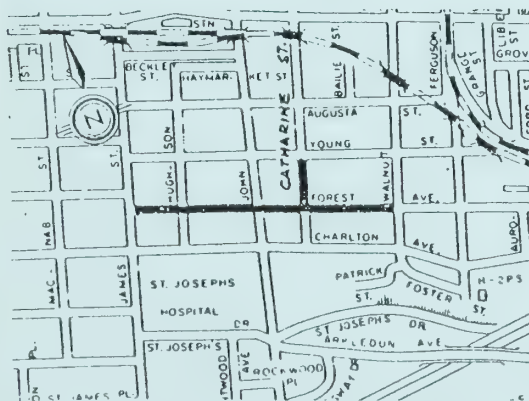
CAPITAL BUDGET PAGE 17

1. PROJECT

Forest Avenue and Catharine Street,-

Storm sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Forest Ave. from James St. to Walnut St.,
and Catharine St. from Forest Ave. to
Young St.,-

Local storm sewers,-
approx. size 375 to 1050 mm diameter,
approx. length 595 metres

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	420 000
OTHER	
TOTAL	420 000
SUBSIDY M.T.C.	200 000
CONTRIBUTIONS	
TOTAL	200 000
NET COST	220 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	220 000
PROPERTY OWNERS	
OTHER	
TOTAL	220 000

5. CASH FLOW

O.N.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	
1983	70 000
1984	350 000
1985 AND AFTER	
TOTAL	420 000

6. NEED FOR PROJECT

To eliminate overloaded sewers
and to utilize the new storm
trunk sewer.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	26 700
ANNUAL COSTS	200
TOTAL	26 900

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 33243

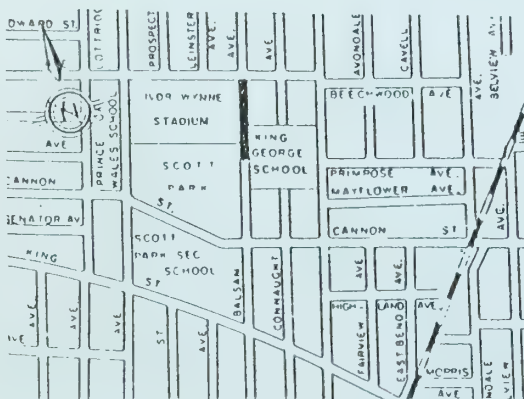
FILE NO. 302-27

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 17

1. PROJECT

Balsam Avenue -
from Beechwood Avenue to
158 metres Southerly -
Storm Sewers Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, approx. size 450 mm
dia., approx. length 158 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	100 000
OTHER	
TOTAL	100 000
SUBSIDY M.T.C.	40 000
CONTRIBUTIONS	
TOTAL	40 000
NET COST	60 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	60 000
PROPERTY OWNERS	
OTHER	
TOTAL	60 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 20 000

1984 80 000

1985 AND AFTER

TOTAL 100 0006. NEED FOR PROJECT

The existing combined sewer is inadequate in size for storm drainage of the adjoining Brian Tiris Stadium. The City of Hamilton has requested for provision of storm sewers on Balsam Avenue for this reason.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	7 300
ANNUAL COSTS	100
TOTAL	7 400

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 33244

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 17

1. PROJECT

Simcoe Street,-

from John Street to Catharine Street -
Storm Sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTIONLocal storm sewers,
Approx. size 525 mm dia.,
Approx. length 115 metres4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	80 000
OTHER	
TOTAL	80 000
SUBSIDY M.T.C.	35 000
CONTRIBUTIONS	
TOTAL	35 000
NET COST	45 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	45 000
PROPERTY OWNERS	
OTHER	
TOTAL	45 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 80 000

1984

1985 AND AFTER

TOTAL 80 000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	5 500
ANNUAL COSTS	100
TOTAL	5 600

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Storm Sewers
PROJECT NO. 33246
DEPT./AGENCY Engineering

FILE NO.
CAPITAL BUDGET PAGE 18

1. PROJECT

Glencarry Avenue -
from Central Avenue to 82 metres
Northerly -
Storm Sewers
Hamilton

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

Local storm sewers,
approx. size 375 mm dia.,
approx. length 83 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	50 000
OTHER	
TOTAL	50 000
SUBSIDY M.T.C.	20 000
CONTRIBUTIONS	
TOTAL	20 000
NET COST	30 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.N.B. REQUIRED	1983
EXPENDITURES:	
PRIOR TO BUDGET	
1980	
1981	
1982	
1983	50 000
1984	
1985 AND AFTER	
TOTAL	50 000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 600
ANNUAL COSTS	100
TOTAL	3 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 33247

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 18

1. PROJECT

Emerald Street, -
from Main Street to 250 metres
Southerly, -
Storm Sewers
Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers,
approx. size 450 to 525 mm dia.,
approx. length 250 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	170 000
OTHER	
TOTAL	170 000
SUBSIDY M.T.C..	80 000
CONTRIBUTIONS	
TOTAL	80 000
NET COST	90 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	90 000
PROPERTY OWNERS	
OTHER	
TOTAL	90 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	
1983	170 000
1984	
1985 AND AFTER	
TOTAL	170 000

6. NEED FOR PROJECT

To reduce basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	10 900
ANNUAL COSTS	100
TOTAL	11 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 33248

FILE NO. 814-11

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 18

1. PROJECT

Niagara and Munro Streets, -
Storm Sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm relief sewers,
approx. size 375 to 525 mm dia.,
approx. length 250 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	185 000
OTHER	
TOTAL	185 000
SUBSIDY M.T.C.	80 000
CONTRIBUTIONS	
TOTAL	80 000
NET COST	105 000

AMOUNT TO BE FINANCED:	
REGIONAL ST.SR.	105 000
PROPERTY OWNERS	
OTHER	
TOTAL	105 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

185 000

1984

1985 AND AFTER

TOTAL 185 000

6. NEED FOR PROJECT

To reduce basement flooding

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	12 800
ANNUAL COSTS	100
TOTAL	12 900

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Transportation Storm Sewers

PROJECT NO. 36207A

FILE NO. 813-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 18

1. PROJECTMcNab St. Storm Sewer - Cannon St.
to Harbour - Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk Storm Sewer

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	4 200 000
OTHER	

TOTAL	4 200 000
-------	-----------

SUBSIDY M.T.C.	1 000 000
CONTRIBUTIONS	

TOTAL	1 000 000
-------	-----------

NET COST	3 200 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	3 200 000
PROPERTY OWNERS	
OTHER	

TOTAL	3 200 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 200 000

1985 AND AFTER 4 000 000

TOTAL	4 200 000
-------	-----------

6. NEED FOR PROJECTTo relieve an existing trunk
storm sewer servicing the
C.B.D. of Hamilton.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	389 000
--------------	---------

ANNUAL COSTS	2 200
--------------	-------

TOTAL	391 200
-------	---------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 34215

FILE NO.

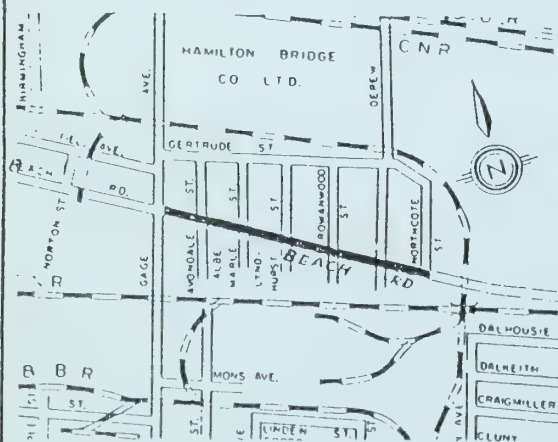
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 18

1. PROJECT

Beach Road from Gage Ave. to Northcote St., - Storm sewers and sewer repairs.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers, approx. size 750 to 1,050 mm dia., approx. length 350 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	260 000
OTHER	
TOTAL	260 000
SUBSIDY M.T.C. CONTRIBUTIONS	90 000
TOTAL	90 000
NET COST	170 000

AMOUNT TO BE FINANCED:

REGIONAL ST. S. R.	170 000
PROPERTY OWNERS	
OTHER	
TOTAL	170 000

5. CASH FLOW

O.N.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	
19 83	
19 84	60 000
19 85 AND AFTER	200 000
TOTAL	260 000

6. NEED FOR PROJECT

The existing combined sewer is inadequate in size for storm drainage of the area.

Storm sewers must be installed in conjunction with the planned road reconstruction to reduce basement flooding.

7. *EFFECT ON CURRENT BUDGET

DEBT CHARGES	20 700
ANNUAL COSTS	100
TOTAL	20 800

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 34216

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 18

1. PROJECT

Glendale Avenue from Barton St.
to Primrose Ave., - Storm sewers.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers,
approx. size 450 to 525 mm dia.,
approx. length 300 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	190 000
OTHER	
TOTAL	190 000
SUBSIDY M.T.C.	80 000
CONTRIBUTIONS	
TOTAL	80 000
NET COST	110 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S. R.	110 000
PROPERTY OWNERS	
OTHER	

TOTAL	110 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 20 000

1985 AND AFTER 170 000

TOTAL 190 000

6. NEED FOR PROJECT

The existing combined sewer
is inadequate in size for
storm drainage of the area.

Storm sewers must be
installed in conjunction
with the planned road
reconstruction to reduce
basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	13 400
ANNUAL COSTS	100
TOTAL	13 500

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 34217

FILE NO.

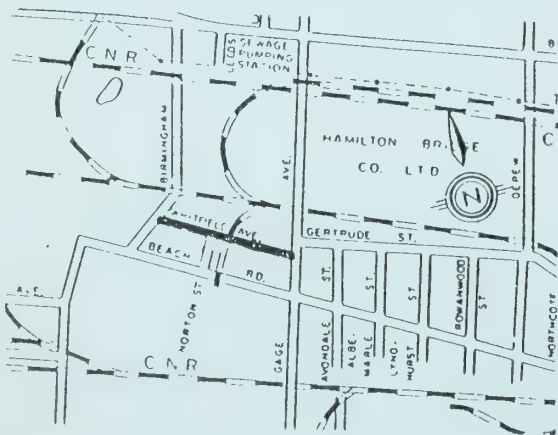
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 19

1. PROJECT

Whitfield Avenue from Birmingham St.
to Gage Ave., - Storm sewers.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local storm sewers,
approx. size 450 to 600 mm dia.,
approx. length 200 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	130 000
OTHER	
TOTAL	130 000
SUBSIDY M.T.C.	60 000
CONTRIBUTIONS	
TOTAL	60 000
NET COST	70 000

AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	70 000
PROPERTY OWNERS	
OTHER	
TOTAL	70 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:
PRIOR TO BUDGET

1980	
1981	
1982	
1983	
1984	10 000
1985 AND AFTER	120 000
TOTAL	130 000

6. NEED FOR PROJECT

The existing combined sewer
is inadequate in size for
storm drainage of the area.

Storm sewers must be
installed in conjunction
with the planned road
reconstruction to reduce
basement flooding.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	8 500
ANNUAL COSTS	100
TOTAL	8 600

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 80 000

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 20&22

1. PROJECTRated Storm Sewers & minor
improvements

1980

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Financing of various projects

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 600 000
OTHER	

TOTAL	2 600 000
-------	-----------

SUBSIDY M.T.C.	400 000
CONTRIBUTIONS	

TOTAL	400 000
-------	---------

NET COST	2 200 000
----------	-----------

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.	1 300 000
PROPERTY OWNERS	600 000
OTHER T.R.	300 000

TOTAL	2 200 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	1 000 000
------	-----------

1981	1 600 000
------	-----------

1982

1983

1984

1985 AND AFTER

TOTAL	2 600 000
-------	-----------

6. NEED FOR PROJECT

This item provides for financing of Local Improvement Act projects and minor works, normally arising from road construction.

7. *EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 81 000

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 20&22

1. PROJECTRated Storm sewers and
Minor Improvements

1981

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Financing of various projects

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 100 000
OTHER	
TOTAL	2 100 000
SUBSIDY M.T.C.	300 000
CONTRIBUTIONS	
TOTAL	300 000
NET COST	1 800 000
AMOUNT TO BE FINANCED:	
REGIONAL ST. S.R.	1 100 000
PROPERTY OWNERS	600 000
OTHER T.R.	100 000
TOTAL	1 800 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 900 000

1982 1 200 000

1983

1984

1985 AND AFTER

TOTAL 2 100 000

6. NEED FOR PROJECT

See item #80 000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 82 000

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE20&22

1. PROJECTRated Storm sewers and
Minor Improvements

1982

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 200 000
OTHER	

TOTAL	2 200 000
-------	-----------

SUBSIDY M.T.C.	400.000
CONTRIBUTIONS	

TOTAL	400 000
-------	---------

NET COST	1 800 000
----------	-----------

AMOUNT TO BE FINANCED:

REGIONAL ST.S.R.	1 100 000
PROPERTY OWNERS	600 000
OTHER T.R.	100 000

TOTAL	1 800 000
-------	-----------

6. NEED FOR PROJECT

See item #80 000

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82	800 000
-------	---------

19 83	1 400 000
-------	-----------

19 84

19 85 AND AFTER

TOTAL	2 200 000
-------	-----------

3. DESCRIPTION

Financing of various projects

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 83 000

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE20&22

1. PROJECTRated Storm Sewers and
Minor Improvements

1983

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 300 000
OTHER	

TOTAL	2 300 000
-------	-----------

SUBSIDY M.T.C.	400 000
CONTRIBUTIONS	

TOTAL	400 000
-------	---------

NET COST	1 900 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	1 000 000
PROPERTY OWNERS	700 000
OTHER T.R.	200 000

TOTAL	1 900 000
-------	-----------

6. NEED FOR PROJECT

See item #80 000

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983	1 300 000
------	-----------

1984	1 300 000
------	-----------

1985 AND AFTER	
----------------	--

TOTAL	2 300 000
-------	-----------

3. DESCRIPTION

Financing of various projects

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION Storm Sewers PROJECT NO. 84 000 DEPT./AGENCY Engineering		FILE NO. CAPITAL BUDGET PAGE20&23
1. <u>PROJECT</u> Rated storm sewers and minor improvements 1984	4. <u>CAPITAL COST ESTIMATE</u> LAND CONSTRUCTION 2 400 000 OTHER TOTAL 2 400 000 SUBSIDY M.T.C. CONTRIBUTIONS 500 000 TOTAL 500 000 NET COST 1 900 000 AMOUNT TO BE FINANCED: REGIONAL ST.S.R. 1 000 000 PROPERTY OWNERS 700 000 OTHER T.R. 200 000 TOTAL 1 900 000		6. <u>NEED FOR PROJECT</u> See Item #80 000	
2. <u>MAP TO LOCATE PROJECT</u>	5. <u>CASH FLOW</u> O.M.B. REQUIRED 1984 EXPENDITURES: PRIOR TO BUDGET 1980 1981 1982 1983 1 100 000 1984 1 300 000 1985 AND AFTER TOTAL 2 400 000		7. <u>EFFECT ON CURRENT BUDGET</u> DEBT CHARGES _____ ANNUAL COSTS _____ TOTAL _____	
3. <u>DESCRIPTION</u> Financing of various projects				

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. H1204, H2303 & H2304 FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 21

1. PROJECT

Limeridge Road, Upper Wentworth Street,
Upper Wellington Street
Region's Portion
(OHAP-220/1978)

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 312,000
OTHER

TOTAL 312,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 312,000

AMOUNT TO BE FINANCED:
REGIONAL
PROPERTY OWNERS
OTHER

TOTAL

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 312,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 312,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. H2309

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 21

1. PROJECT

Upper Wentworth Street and Stone Church
Road Trunk Sewer
- Region's Portion

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 125,000
OTHER

TOTAL 125,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 125,000

AMOUNT TO BE FINANCED:
REGIONAL
PROPERTY OWNERS
OTHER

TOTAL

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:
PRIOR TO BUDGET

1980

1981 125,000

1982

1983

1984

1985 AND AFTER

TOTAL 125,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 79000A

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 22

1. PROJECT

Rated Storm sewers and Minor
Improvements

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 600,000
OTHER

TOTAL 600,000

SUBSIDY M.T.C.
CONTRIBUTIONS

TOTAL NIL

NET COST 600,000

AMOUNT TO BE FINANCED:
REGIONAL ST.S.R. 600,000
PROPERTY OWNERS
OTHER T.R.

TOTAL 600,000

6. NEED FOR PROJECT

See Item #80000

2. MAP TO LOCATE PROJECT

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980 600,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 600,000

3. DESCRIPTION

Financing of various projects.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Storm Sewers

PROJECT NO. 78000A

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 22

1. PROJECTRated Storm Sewers and Minor
Improvements

1977-78

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Financing of various projects.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	266,000
OTHER	

TOTAL	266,000
-------	---------

SUBSIDY M.T.C.	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	266,000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	266,000
PROPERTY OWNERS	
OTHER T.R.	

TOTAL	266,000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980	266,000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	266,000
-------	---------

6. NEED FOR PROJECT

See item #80000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL



REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 38224

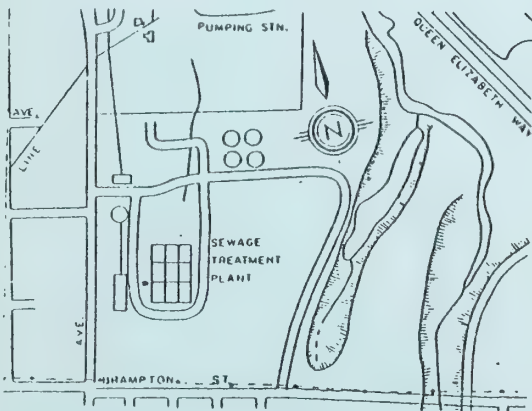
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24

1. PROJECTSecondary Sewage Treatment
Plant - Hamilton

Engineering & Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	22,650,000
OTHER	430,000
TOTAL	23,080,000
SUBSIDY	3,847,000
CONTRIBUTIONS	
TOTAL	3,847,000
NET COST	19,233,000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	19,233,000
PROPERTY OWNERS	
OTHER	
TOTAL	19,233,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	19,725,000
1980	3,355,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	23,080,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39900

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24

1. PROJECT

Saltfleet Sewer completed by M.O.E.

- Region's Portion - 30 years
- 8%

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	800,000
OTHER	
TOTAL	<u>800,000</u>

SUBSIDY	
CONTRIBUTIONS	
TOTAL	<u>NIL</u>

NET COST	<u>800,000</u>
----------	----------------

AMOUNT TO BE FINANCED:	
REGIONAL	800,000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>800,000</u>

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980	800,000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	<u>800,000</u>
-------	----------------

6. NEED FOR PROJECT

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u> </u>
--------------	-------------------

ANNUAL COSTS	<u> </u>
--------------	-------------------

TOTAL	<u> </u>
-------	-------------------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 34702

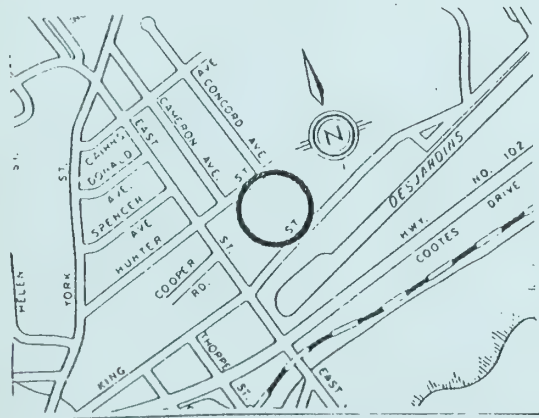
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24

1. PROJECT

Expansion of Sewage Treatment
Plant - Design
King Street - Dundas
(OHAP-200) 1977

2. MAP TO LOCATE PROJECT3. DESCRIPTION

To expand existing sewage
treatment Plant from 1.5 M.I.G.D.
to 4.0 M.I.G.D.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER Design 200,000
TOTAL 200,000

SUBSIDY
CONTRIBUTIONS
TOTAL NIL

NET COST 200,000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 200,000
PROPERTY OWNERS
OTHER
TOTAL 200,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:
PRIOR TO BUDGET

1980 200,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 200,000

6. NEED FOR PROJECT

To provide additional
capacity for growth
in Dundas

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 35249

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24&35

1. PROJECT

Ancaster Sewer

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 12,500,000
OTHER

TOTAL 12,500,000

SUBSIDY M.O.E. 7,500,000
CONTRIBUTIONS

TOTAL 7,500,000

NET COST 5,000,000

AMOUNT TO BE FINANCED:
REGIONAL 3,000,000
PROPERTY OWNERS
OTHER 2,000,000

TOTAL 5,000,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 12,500,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 12,500,000

6. NEED FOR PROJECT

Initial Sewage Project for
Ancaster. Financed at 8%
- 40 years. Based on
Sewage Flow.

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 34704

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24

1. PROJECTExpansion of the King St. Sewage
Treatment Plant

- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTIONTo expand existing sewage treatment
plant from 1.54. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2,750,000
OTHER	

TOTAL 2,750,000

SUBSIDY	M.O.E.	270,000
CONTRIBUTIONS	CMHC	300,000

TOTAL 570,000

NET COST 2,180,000

AMOUNT TO BE FINANCED:

REGIONAL S. Surcharge	2,180,000
PROPERTY OWNERS	
OTHER T.R.	

TOTAL 2,180,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 2,726,000

1980 24,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 2,750,000

6. NEED FOR PROJECTTo provide additional
capacity for growth
within Dundas7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 35704

FILE NO. 805-03

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 24

1. PROJECT

Eastern Trunk Sanitary Sewer -
King Street Plant to York Road

(OHAP-200/1978)

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk Sanitary Sewer and Pumping
Station Replacement

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1,000,000
OTHER	
TOTAL	1,000,000
SUBSIDY M.O.E.	135,000
CONTRIBUTIONS	
TOTAL	135,000
NET COST	865,000
AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	865,000
PROPERTY OWNERS	
OTHER	
TOTAL	865,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	335,000
1980	665,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	1,000,000

6. NEED FOR PROJECT

To provide service to
future development and
eliminate septic tank
pollution problems

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 34701

FILE NO. 823-03

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

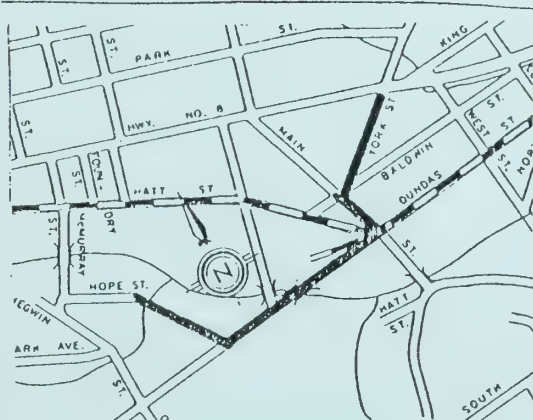
1. PROJECT

Western Sanitary Trunk Sewer

- Phase I and Phase II

- Dundas

(OHAP-1,000/1978)

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sanitary trunk sewer approximately 54" and to run along York St., Main St., Governors Road, and private land.

4. CAPITAL COST ESTIMATE

LAND		
CONSTRUCTION		1,600,000
OTHER		
	TOTAL	1,600,000
SUBSIDY	M.O.E.	240,000
	CMHC	108,000
CONTRIBUTIONS	S.L.	40,000
	TOTAL	388,000
NET COST		1,212,000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	1,212,000
PROPERTY OWNERS	
OTHER	
TOTAL	1,212,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	1,388,000
1980	212,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	1,600,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 35238

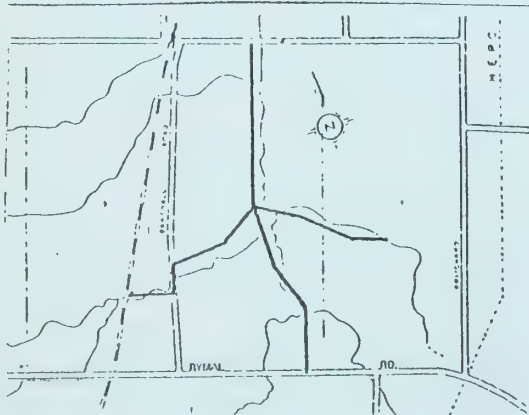
FILE NO. 813-02

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

1. PROJECT

Mountain Industrial Trunk Sanitary
Sewer and Branch Sewers between
Stone Church Road and Rymal Road.

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND		
CONSTRUCTION		890,000
OTHER		
	TOTAL	890,000
SUBSIDY	M.O.E.	125,000
CONTRIBUTIONS	CMHC	125,000
	TOTAL	250,000
NET COST		640,000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	640,000
PROPERTY OWNERS	
OTHER	
	TOTAL
	640,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	550,000
1980	340,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
	TOTAL
	890,000

6. NEED FOR PROJECT

To provide service to lands
along Rymal Road from approx.
Trinity Church Road to Upper
Sherman Ave.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 35903

FILE NO. 819-05

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

1. PROJECT

Stoney Creek Valley from Battlefield
Creek to Queenston Road
- Construction

4. CAPITAL COST ESTIMATE

LAND	50,000
CONSTRUCTION	410,000
OTHER	

TOTAL	460,000
-------	---------

SUBSIDY M.O.E.	100,000
CONTRIBUTIONS	

TOTAL	100,000
-------	---------

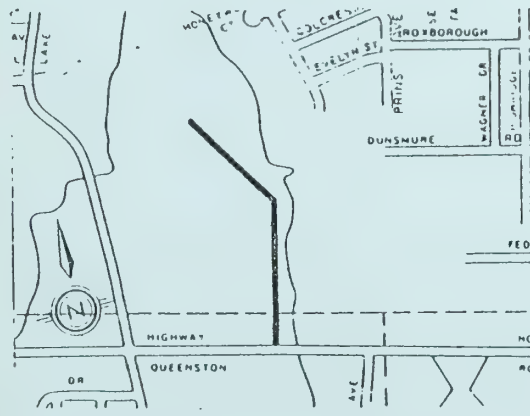
NET COST	360,000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	360,000
PROPERTY OWNERS	
OTHER	

TOTAL	360,000
-------	---------

6. NEED FOR PROJECT

To provide service to lands
along Queenston Rd. and
provide for future abandon-
ment of a pumping station.

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED	Received
-----------------	----------

EXPENDITURES:

PRIOR TO BUDGET	340,000
-----------------	---------

1980	120,000
------	---------

1981	
------	--

1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
----------------	--

TOTAL	460,000
-------	---------

3. DESCRIPTION

Trunk Sanitary Sewer
Approx. size 48"

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
--------------	--

ANNUAL COSTS	
--------------	--

TOTAL	
-------	--

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36226-A

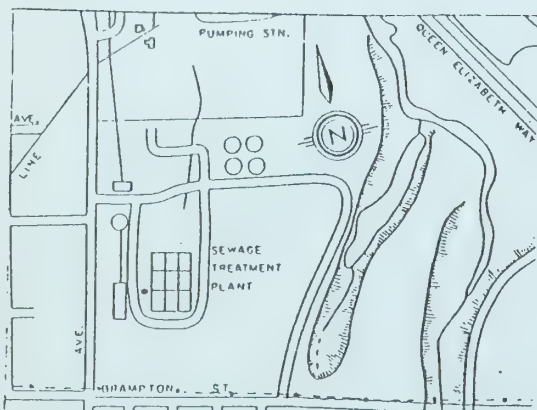
FILE NO. 819-06

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

1. PROJECT

Woodward Ave. - Sewage Treatment
Plant Expansion - Phase I - Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Increase the S.T.P. capacity beyond
the existing capacity of 60 MIGD

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	8,000,000
OTHER	
TOTAL	<u>8,000,000</u>
SUBSIDY M.O.E.	1,000,000
CONTRIBUTIONS CMHC	<u>1,300,000</u>
TOTAL	<u>2,300,000</u>
NET COST	<u><u>5,700,000</u></u>

AMOUNT TO BE FINANCED:

REGIONAL S. Surcharge	5,700,000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>5,700,000</u>

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	4,027,000
1980	800,000
1981	1,473,000
1982	1,700,000
1983	
1984	
1985 AND AFTER	
TOTAL	<u>8,000,000</u>

6. NEED FOR PROJECT

The existing plant will be
overloaded in 76-77.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36207

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

1. PROJECT

MacNab St. - Trunk Sewer - Design
and Environmental Assessment

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER Design 50,000

TOTAL 50,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 50,000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 50,000
PROPERTY OWNERS
OTHER

TOTAL 50,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET 50,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL 50,000

6. NEED FOR PROJECT

See Item 33238-A

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36208

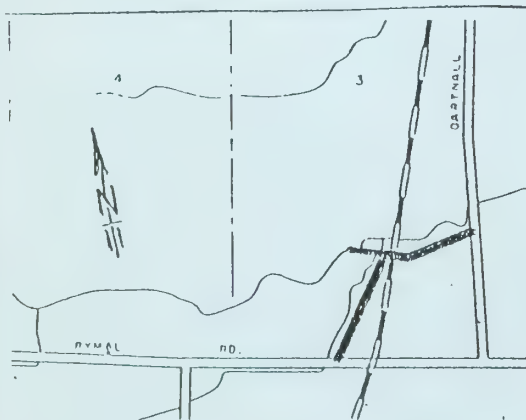
FILE NO. 813-17

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 25

1. PROJECTMountain Industrial Trunk Sewer
Western Connection, -

Engineering (Sanitary)

2. MAP TO LOCATE PROJECT3. DESCRIPTION36" and 15" diameter sanitary
sewers on easement.4. CAPITAL COST ESTIMATE

LAND

CONSTRUCTION

OTHER Engineering

30,000

TOTAL

30,000

SUBSIDY

CONTRIBUTIONS

TOTAL

NIL

NET COST

30,000

AMOUNT TO BE FINANCED:

REGIONAL

30,000

PROPERTY OWNERS

OTHER

TOTAL

30,000

5. CASH FLOW

O.M.B. REQUIRED

Received

EXPENDITURES:

PRIOR TO BUDGET

30,000

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL

30,000

6. NEED FOR PROJECTTo provide an outlet for resi-
dential and industrial
development on both sides of
Rymal Road between the C.N.R.
Line and Upper Sherman Avenue.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 35200A

FILE NO. 807-08

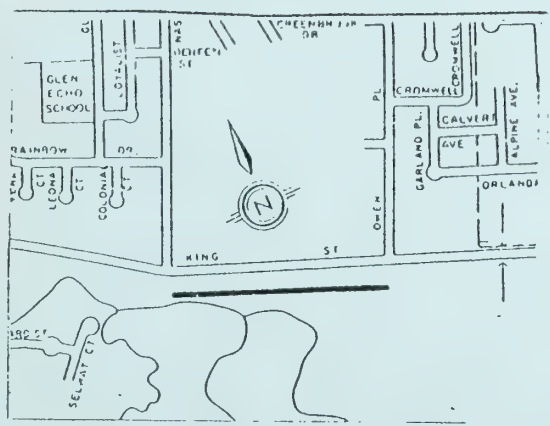
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 26

1. PROJECT

Gershome Trunk Sanitary Sewer
Construction

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	165,000
OTHER	
TOTAL	165,000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL
NET COST	165,000

AMOUNT TO BE FINANCED:	
REGIONAL	165,000
PROPERTY OWNERS	
OTHER	
TOTAL	165,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	165,000
1980	
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	165,000

6. NEED FOR PROJECT

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36210

FILE NO. 819-20

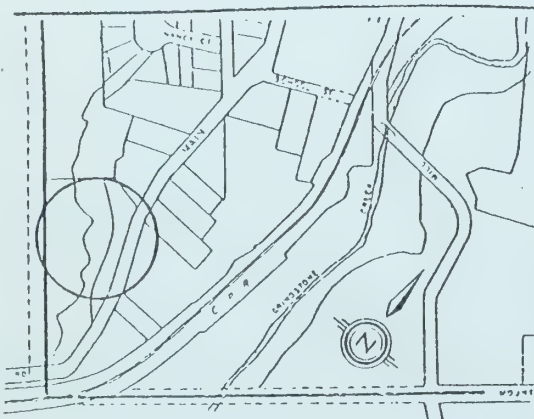
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 26

1. PROJECT

Main Street Sewage Treatment Plant
- Waterdown (OHAP-1,000) 1978

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1,500,000
OTHER	
TOTAL	1,500,000
SUBSIDY	M.O.E. 225,000
CONTRIBUTIONS	CMHC 225,000
TOTAL	450,000
NET COST	1,050,000

AMOUNT TO BE FINANCED:	
REGIONAL	1,050,000
PROPERTY OWNERS	
OTHER	
TOTAL	1,050,000

5. CASH FLOW

O.N.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	1,235,000
1980	265,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	1,500,000

6. NEED FOR PROJECT

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 37223

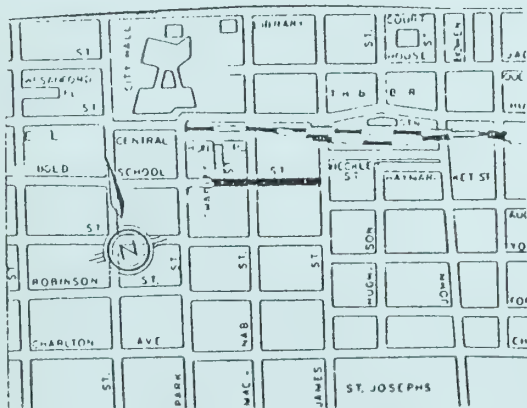
FILE NO. 802-15

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 26

1. PROJECT

Bold St. from James St. to Charles St.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local sanitary sewer,
10" dia. approx. length 780 feet,
private drains and road repairs.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	70,000
OTHER	
TOTAL	70,000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL
NET COST	70,000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	70,000
PROPERTY OWNERS	
OTHER	
TOTAL	70,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	70,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	70,000

6. NEED FOR PROJECT

The existing combined sewer
has insufficient capacity
and cannot be maintained

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sanitary Sewer System

PROJECT NO. 37244

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 26

1. PROJECT

South/West Central Area -
Reconstruction of Sewers on Duke St.
between MacNab and Park Streets

2. MAP TO LOCATE PROJECT3. DESCRIPTION

250mm Dia. local Sanitary Sewer,
private drains and road repairs

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 90,000
OTHER

TOTAL 90,000

SUBSIDY M.T.C.
CONTRIBUTIONS

TOTAL NIL

NET COST 90,000

AMOUNT TO BE FINANCED:
REGIONAL 90,000
PROPERTY OWNERS
OTHER

TOTAL 90,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 90,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 90,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36208A

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECT

Mountain Industrial Sewer, Western
Connection
- Construction (Sanitary)

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 274,000
OTHER

TOTAL 274,000

SUBSIDY CMHC 30,000
CONTRIBUTIONS

TOTAL 30,000

NET COST 244,000

AMOUNT TO BE FINANCED:
REGIONAL 244,000
PROPERTY OWNERS
OTHER

TOTAL 244,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 120,000

1980 154,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 274,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. H1204, H2303 & H2304 FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 26&35

1. PROJECT

Limeridge Road, Upper Wentworth Street,
Upper Wellington Street
Region's Portion
(OHAP-220/1978)

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 617,000
OTHER

TOTAL 617,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 617,000

AMOUNT TO BE FINANCED:

REGIONAL 617,000
PROPERTY OWNERS
OTHER

TOTAL 617,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 220,000

1980 397,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 617,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 37211

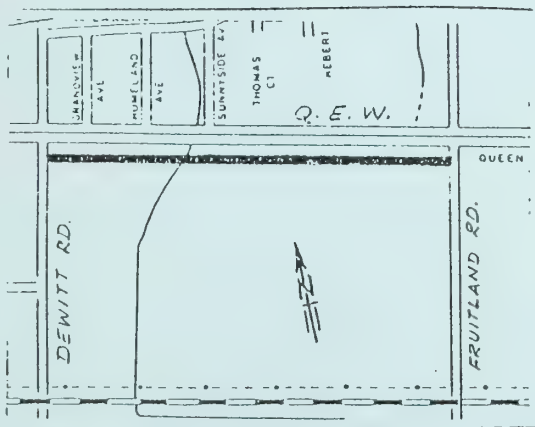
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECT

Q.E.W. Sanitary Trunk sewer from
DeWitt Road to Fruitland Road

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sanitary trunk sewer,
60" diameter in tunnel.

4. CAPITAL COST ESTIMATE

LAND		
CONSTRUCTION		1,500,000
OTHER		
	TOTAL	<u>1,500,000</u>
SUBSIDY	CMHC	250,000
CONTRIBUTIONS	M.O.E.	250,000
	TOTAL	<u>500,000</u>
NET COST		<u><u>1,000,000</u></u>

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	1,000,000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>1,000,000</u>

5. CASH FLOW

O.M.D. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	919,000
1980	581,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	<u>1,500,000</u>

6. NEED FOR PROJECT

To provide service to the
land West of Fruitland Road,
which has been approved for
urbanization.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 37210

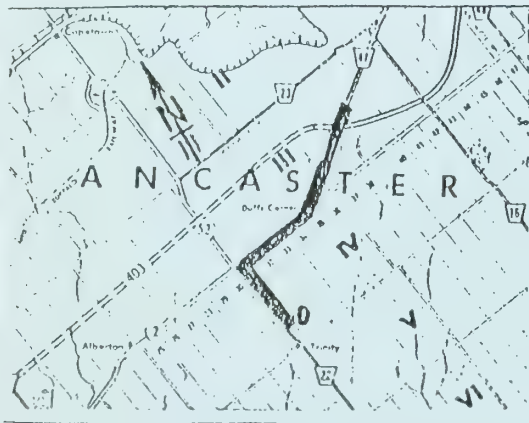
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECTAncaster Industrial Pumping Station
and force main (H 13)

Engineering and Land

2. MAP TO LOCATE PROJECT3. DESCRIPTIONSanitary sewage pumping station
and force main approximate size
20" diameter , approximate length
18,000 feet.4. CAPITAL COST ESTIMATE

LAND 20,000

CONSTRUCTION 180,000

OTHER 180,000

TOTAL 200,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 200,000

AMOUNT TO BE FINANCED:
REGIONAL 200,000
PROPERTY OWNERS
OTHER

TOTAL 200,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET 170,000

1980 30,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 200,000

6. NEED FOR PROJECTTo service designated industrial
lands between Town of Ancaster
and Trinity Road, South
of Highway #27. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Sewage Works
PROJECT NO. 37226-B
DEPT./AGENCY Engineering

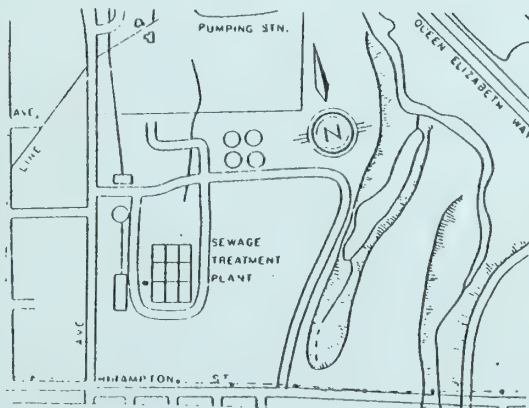
FILE NO. 819-12
CAPITAL BUDGET PAGE 27

1. PROJECT

Woodward Ave. - Sewage Treatment
Plant - Expansion, Phase II

Engineering

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

Extension to chlorine contact chamber,
new primary clarifiers,
- new dewatering complex

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	200,000
TOTAL	200,000
SUBSIDY . M.O.E.	25,000
CONTRIBUTIONS	
TOTAL	25,000
NET COST	175,000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	175,000
PROPERTY OWNERS	
OTHER	
TOTAL	175,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET	160,000
1980	40,000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	200,000

6. NEED FOR PROJECT

To maintain capacity
at the treatment plant.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 38230

FILE NO. 819-35

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECT

Ricwil Steam System
Woodward Ave. Sewage Treatment
Plant
- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 360,000
OTHER

TOTAL 360,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 360,000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 360,000
PROPERTY OWNERS
OTHER

TOTAL 360,000

5. CASH FLOW

O.M.D. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980 360,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 360,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Treatment

PROJECT NO. 38242

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECT

Hilton Street from Markland to
Aberdeen Avenue
- Sewer Reconstruction

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 40,000
OTHER

TOTAL 40,000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 40,000

AMOUNT TO BE FINANCED:
REGIONAL 40,000
PROPERTY OWNERS
OTHER

TOTAL 40,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980 40,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 40,000

6. NEED FOR PROJECT3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 36235A

FILE NO. 818-07

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 27

1. PROJECT

Red Hill Creek Trunk Sewer from
213 metres easterly to Upper Wentworth
Street Sanitary Sewer
- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 225,000
OTHER

TOTAL 225,000

SUBSIDY CMHC 40,000
CONTRIBUTIONS

TOTAL 40,000

NET COST 185,000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 185,000
PROPERTY OWNERS
OTHER

TOTAL 185,000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:
PRIOR TO BUDGET

1980 225,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 225,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION	Sewage Works
----------	--------------

PROJECT NO. H2309

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 28&35

1. PROJECT

Upper Wentworth Street and Stone Church
Road Trunk Sewer
- Region's Portion

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	609,000
OTHER	<u> </u>

TOTAL 609,000

SUBSIDY CONTRIBUTIONS

TOTAL	NIL
-------	-----

NET COST 609,000

AMOUNT TO BE FINANCED:	
REGIONAL	609,000
PROPERTY OWNERS	
OTHER	

TOTAL	609,000
-------	---------

5. CASH FLOW

O.M.D. REQUIRED Received

EXPENDITURES:
PRIOR TO BUDGET

1980	92,000
------	--------

1981	517,000
------	---------

1982

1983

1984

1985 AND AFTER

TOTAL	609,000
-------	---------

6. NEED FOR PROJECT

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 33240A

FILE NO. 813-13

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 28

1. PROJECT

Mountain Industrial Trunk Sanitary
Sewer
Rymal Road to 850 metres southerly
- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sub-trunk Sanitary Sewer in valley
and connection on Rymal Road
Approximate size - 760mm diameter

4. CAPITAL COST ESTIMATE

LAND		
CONSTRUCTION		420,000
OTHER		
	TOTAL	420,000
SUBSIDY	CMHC	50,000
CONTRIBUTIONS	M.O.E.	50,000
	TOTAL	100,000
NET COST		320,000
AMOUNT TO BE FINANCED:		
REGIONAL		320,000
PROPERTY OWNERS		
OTHER		
	TOTAL	320,000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	300,000
1981	120,000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	420,000

6. NEED FOR PROJECT

To provide service to lands
south of Rymal Road in the
Red Hill Creek tributary,
east of C.N.R. Line

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39221

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 28

1. PROJECTLincoln Street from Barton Street
to Linden Street2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	40,000
OTHER	

TOTAL	40,000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	40,000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL	40,000
PROPERTY OWNERS	
OTHER	

TOTAL	40,000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET	40,000
-----------------	--------

1980

1981

1982

1983

1984

1985 AND AFTER

TOTAL	40,000
-------	--------

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION Sewage Works PROJECT NO. 39215 DEPT./AGENCY Engineering		FILE NO. CAPITAL BUDGET PAGE 28																							
<u>1. PROJECT</u> Jackson Street from John Street to Spring Street - Reconstruction	<u>4. CAPITAL COST ESTIMATE</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">LAND</td> <td style="width: 40%;"></td> </tr> <tr> <td>CONSTRUCTION</td> <td style="text-align: right;">60,000</td> </tr> <tr> <td>OTHER</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">60,000</td> </tr> <tr> <td colspan="2" style="padding-top: 10px;">SUBSIDY CONTRIBUTIONS</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">NIL</td> </tr> <tr> <td>NET COST</td> <td style="text-align: right; border-top: 1px solid black; border-bottom: 3px double black;">60,000</td> </tr> <tr> <td colspan="2" style="padding-top: 20px;">AMOUNT TO BE FINANCED:</td> </tr> <tr> <td>REGIONAL</td> <td style="text-align: right;">60,000</td> </tr> <tr> <td>PROPERTY OWNERS</td> <td></td> </tr> <tr> <td>OTHER</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">60,000</td> </tr> </table>		LAND		CONSTRUCTION	60,000	OTHER		TOTAL	60,000	SUBSIDY CONTRIBUTIONS		TOTAL	NIL	NET COST	60,000	AMOUNT TO BE FINANCED:		REGIONAL	60,000	PROPERTY OWNERS		OTHER		TOTAL	60,000	<u>6. NEED FOR PROJECT</u>
LAND																											
CONSTRUCTION	60,000																										
OTHER																											
TOTAL	60,000																										
SUBSIDY CONTRIBUTIONS																											
TOTAL	NIL																										
NET COST	60,000																										
AMOUNT TO BE FINANCED:																											
REGIONAL	60,000																										
PROPERTY OWNERS																											
OTHER																											
TOTAL	60,000																										
<u>2. MAP TO LOCATE PROJECT</u> 	<u>5. CASH FLOW</u> O.M.B. REQUIRED EXPENDITURES: PRIOR TO BUDGET <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">1980</td> <td style="width: 40%; text-align: right;">60,000</td> </tr> <tr> <td>1981</td> <td></td> </tr> <tr> <td>1982</td> <td></td> </tr> <tr> <td>1983</td> <td></td> </tr> <tr> <td>1984</td> <td></td> </tr> <tr> <td>1985 AND AFTER</td> <td></td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">60,000</td> </tr> </table>		1980	60,000	1981		1982		1983		1984		1985 AND AFTER		TOTAL	60,000	<u>7. EFFECT ON CURRENT BUDGET</u> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">DEBT CHARGES</td> <td style="width: 40%; text-align: right;">_____</td> </tr> <tr> <td>ANNUAL COSTS</td> <td style="text-align: right;">_____</td> </tr> <tr> <td style="text-align: right;">TOTAL</td> <td style="text-align: right;">_____</td> </tr> </table>	DEBT CHARGES	_____	ANNUAL COSTS	_____	TOTAL	_____				
1980	60,000																										
1981																											
1982																											
1983																											
1984																											
1985 AND AFTER																											
TOTAL	60,000																										
DEBT CHARGES	_____																										
ANNUAL COSTS	_____																										
TOTAL	_____																										
<u>3. DESCRIPTION</u> 																											

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39214

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 29

1. PROJECTCharlton, Aurora, Forest Ave. and
Wellington St. - Repairs4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	30,000
OTHER	

TOTAL	30,000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	30,000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL	30,000
PROPERTY OWNERS	
OTHER	

TOTAL	30,000
-------	--------

6. NEED FOR PROJECT2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980	30,000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	30,000
-------	--------

3. DESCRIPTION7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39216

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 29

1. PROJECTYoung St. from James St. to
Catherine2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	20,000
OTHER	

TOTAL	20,000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	20,000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL	20,000
PROPERTY OWNERS	
OTHER	

TOTAL	20,000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:
PRIOR TO BUDGET

1980	20,000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	20,000
-------	--------

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 39222

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 29

1. PROJECT

Q.E.W. Trunk Sewer from Fruitland Road
to Jones Road
- Engineering

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER Engineering 200,000
TOTAL 200,000

SUBSIDY
CONTRIBUTIONS
TOTAL NIL

NET COST 200,000

AMOUNT TO BE FINANCED:
REGIONAL 200,000
PROPERTY OWNERS
OTHER
TOTAL 200,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980 100,000

1981 100,000

1982

1983

1984

1985 AND AFTER

TOTAL 200,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 37210A

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 29

1. PROJECT

Ancaster Industrial Pumping Station
& Forc Main S-1113
- Construction

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2,000,000
OTHER

TOTAL 2,000,000

SUBSIDY M.O.E.
CONTRIBUTIONS 300,000

TOTAL 300,000

NET COST 1,700,000

AMOUNT TO BE FINANCED:
REGIONAL 1,700,000
PROPERTY OWNERS
OTHER

TOTAL 1,700,000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 170,000

1980 1,130,000

1981 700,000

1982

1983

1984

1985 AND AFTER

TOTAL 2,000,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30219

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 29

1. PROJECTWindemere Basin
Improvements.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Clean up Windemere Basin.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	5 000 000
OTHER	

TOTAL	5 000 000
-------	-----------

SUBSIDY	4 700 000
CONTRIBUTIONS	

TOTAL	4 700 000
-------	-----------

NET COST	300 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	300 000
PROPERTY OWNERS	
OTHER	

TOTAL	300 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	500 000
------	---------

1981	4 500 000
------	-----------

1982

1983

1984

1985 AND AFTER

TOTAL	5 000 000
-------	-----------

6. NEED FOR PROJECTDirected by Council
in Item 53 of the
14th Report of the
E.S.C., adopted by
Council on 78 08 15.7. **EFFECT ON CURRENT BUDGET

DEBT CHARGES	36 500
--------------	--------

ANNUAL COSTS	N/A
--------------	-----

TOTAL	36 500
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30910

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 29&35

1. PROJECT

Winona Sewer

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Pumping Station and forcemain.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	3 000 000
OTHER	

TOTAL 3 000 000

SUBSIDY	
CONTRIBUTIONS	NIL

TOTAL NIL

NET COST 3 000 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	2 000 000
PROPERTY OWNERS	1 000 000
OTHER	

TOTAL 3 000 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80 500 000

19 81 1 500 000

19 82 1 000 000

19 83

19 84

19 85 AND AFTER

TOTAL 3 000 000

6. NEED FOR PROJECT

This is a financial provision to pay the Region's share of servicing Winona; now under review by Council.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 243 100

ANNUAL COSTS

TOTAL 243 100

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30213

FILE NO. 813-18

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

1. PROJECT

Main St. from Locke St. to Pearl St.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Repairs to existing sewer - 460 mm dia. sewer.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	100 000
OTHER	
TOTAL	100 000
SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL
NET COST	100 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	100 000
PROPERTY OWNERS	
OTHER	
TOTAL	100 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	100 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	100 000

6. NEED FOR PROJECT

Existing 460 mm dia. sewer is in poor condition and has structurally failed.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	12 200
ANNUAL COSTS	100
TOTAL	12 300

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30214

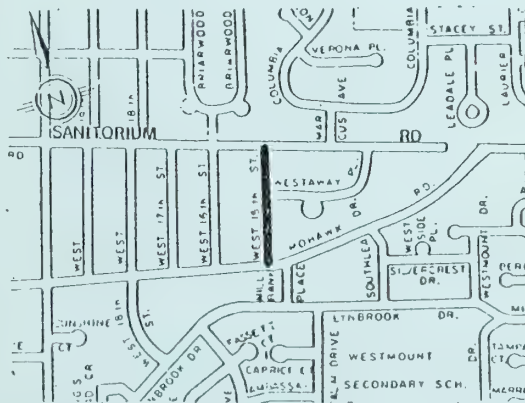
FILE NO. 823-19

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

1. PROJECTWest 15th St. from Sanatorium Road to
Mohawk Rd. - Sewer Repair

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTIONRepair to existing 380 mm dia.
sanitary sewer.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	75 000
OTHER	

TOTAL	75 000
-------	--------

SUBSIDY	
CONTRIBUTIONS	NIL

TOTAL	NIL
-------	-----

NET COST	75 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	75 000
PROPERTY OWNERS	
OTHER	

TOTAL	75 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	75 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	75 000
-------	--------

6. NEED FOR PROJECTThe existing sewer has failed
structurally and may collapse,7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	9 100
--------------	-------

ANNUAL COSTS	N/A
--------------	-----

TOTAL	9 100
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30233

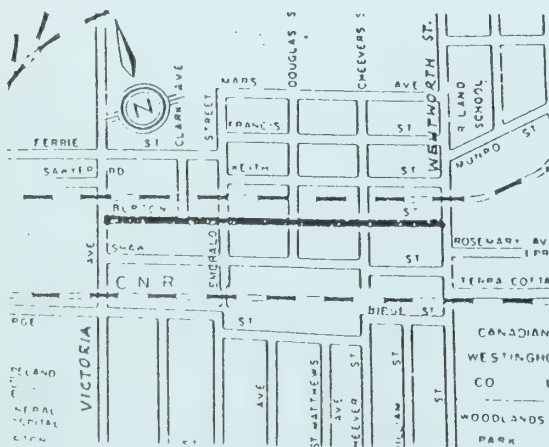
FILE NO. 802-31

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

1. PROJECT

Burton Street from Victoria Ave.
to Wentworth St.,-
Sewer repairs.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Combined sewer repairs

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	15 000
OTHER	
TOTAL	15 000
SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL
NET COST	15 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	15 000
PROPERTY OWNERS	
OTHER	
TOTAL	15 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	15 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	15 000

6. NEED FOR PROJECT

The existing combined sewer must be repaired in conjunction with the installation of new storm sewer and road reconstruction in 1980.

7. ** EFFECT ON CURRENT BUDGET

DEBT CHARGES	1 800
ANNUAL COSTS	N/A
TOTAL	1 800

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30207

FILE NO. 803-26

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

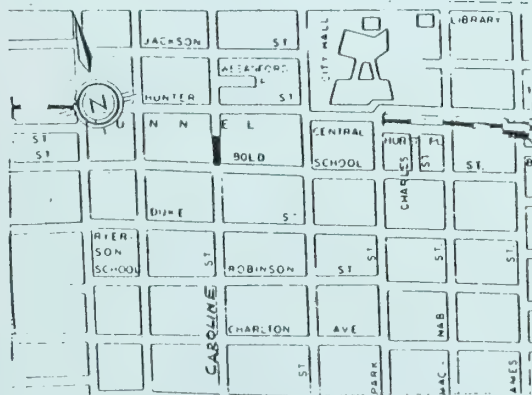
1. PROJECT

Caroline Street,-

from Bold Street to 52 metres Northerly,-

Sewer reconstruction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Replacement of existing 300 mm dia.
sewer.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	15 000
OTHER	

TOTAL	15 000
-------	--------

SUBSIDY	
CONTRIBUTIONS	NIL

TOTAL	NIL
-------	-----

NET COST	15 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	15 000
PROPERTY OWNERS	
OTHER	

TOTAL	15 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	15 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	15 000
-------	--------

6. NEED FOR PROJECT

The existing combined sewer is
insufficient in capacity and
cannot be maintained properly.

The replacement must be done
in conjunction with the planned
road reconstruction and storm
sewer installation in 1980.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	1 800
--------------	-------

ANNUAL COSTS	100
--------------	-----

TOTAL	1 900
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30208

FILE NO. 817-06

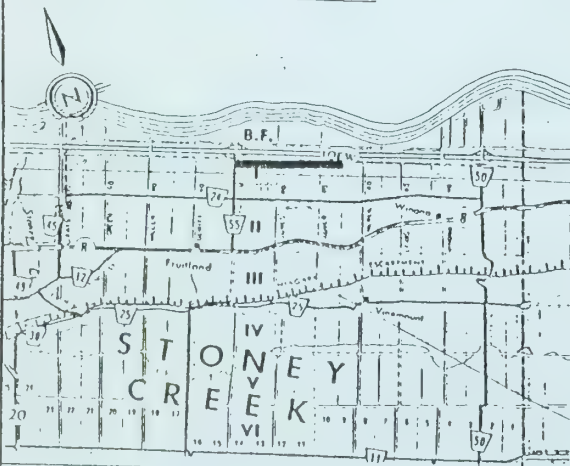
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

1. PROJECT

Q.E.W. Sanitary Trunk Sewer from
Fruitland Road to midway between
Glover Rd. and McNeily Rd.,-
Construction.

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sanitary Trunk sewer,
approx. size 1500 to 1650 mm dia.,
approx. length 2350 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 300 000
OTHER	

TOTAL	2 300 000
-------	-----------

SUBSIDY M.O.E.	350 000
CONTRIBUTIONS	

TOTAL	350 000
-------	---------

NET COST	1 950 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	1 950 000
PROPERTY OWNERS	
OTHER	

TOTAL	1 950 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	1 050 000
------	-----------

1981	1 250 000
------	-----------

1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
----------------	--

TOTAL	2 300 000
-------	-----------

6. NEED FOR PROJECT

To continue the supply
of industrial land in the
Q.E.W. area.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	237 000
--------------	---------

ANNUAL COSTS	1 600
--------------	-------

TOTAL	238 600
-------	---------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30209

FILE NO. 818-08

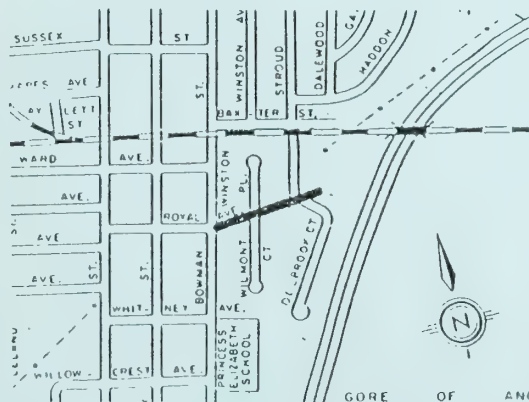
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 30

1. PROJECT

Royal Ave. - sanitary trunk sewer
Stage 1

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sanitary trunk sewer from near Stroud
Road to Bowman Ave.

Approx. size 910 mm dia.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	210 000
OTHER	

TOTAL	210 000
-------	---------

SUBSIDY M.O.E. CONTRIBUTIONS	30 000
---------------------------------	--------

TOTAL	30 000
-------	--------

NET COST	180 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	180 000
PROPERTY OWNERS	
OTHER	

TOTAL	180 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	20 000
------	--------

1981	190 000
------	---------

1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
----------------	--

TOTAL	210 000
-------	---------

6. NEED FOR PROJECT

To intercept sanitary sewage
originating from the separated
sewer area above escarpment
and thus reducing overflow
to Cootes Paradise.

7. *EFFECT ON CURRENT BUDGET

DEBT CHARGES	21 900
--------------	--------

ANNUAL COSTS	600
--------------	-----

TOTAL	22 500
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30211

FILE NO. 801-10

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 31

1. PROJECTAberdeen Ave. Sewage Pumping Station
and Associated sewers

Hamilton

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	150 000
OTHER	
TOTAL	150 000
SUBSIDY M.O.E.	20 000
CONTRIBUTIONS	
TOTAL	20 000
NET COST	130 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	130 000
PROPERTY OWNERS	
OTHER	
TOTAL	130 000

5. CASH FLOW

O.M.B. REQUIRED 1980

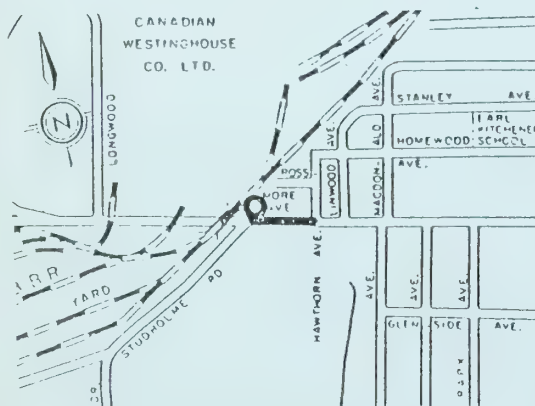
EXPENDITURES:

PRIOR TO BUDGET

1980	70 000
1981	80 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	150 000

6. NEED FOR PROJECT

The sanitary sewage from a few houses can not be intercepted with the present system.

2. MAP TO LOCATE PROJECT3. DESCRIPTIONSmall pumping station, gravity sewer,
and force main.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	15 800
ANNUAL COSTS	5 000
TOTAL	20 800

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30215

FILE NO.

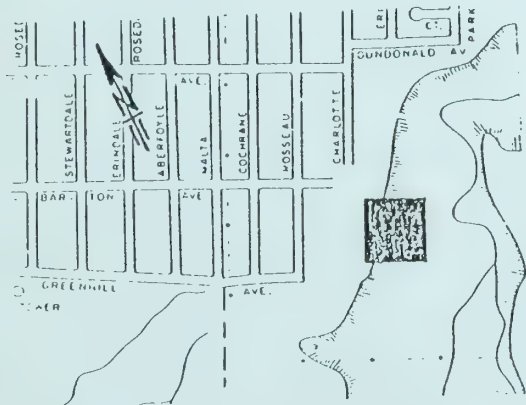
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 31

1. PROJECT

Greenhill Avenue -
Storage-Treatment Basin, -
Engineering & Land.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

90 Million litres partially
covered storage tank and settling
basin.

4. CAPITAL COST ESTIMATE

LAND	50 000
CONSTRUCTION	
OTHER Eng.	170 000
TOTAL	220 000

SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL

NET COST	220 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	220 000
PROPERTY OWNERS	
OTHER	
TOTAL	220 000

5. CASH FLOW

O.N.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	100 000
1981	120 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	220 000

6. NEED FOR PROJECT

To reduce pollution in
Red Hill Creek and Burlington
Bay by controlling overflow
from a combined trunk sewer.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	26 700
ANNUAL COSTS	N/A
TOTAL	26 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 38226-C

FILE NO. 819-12

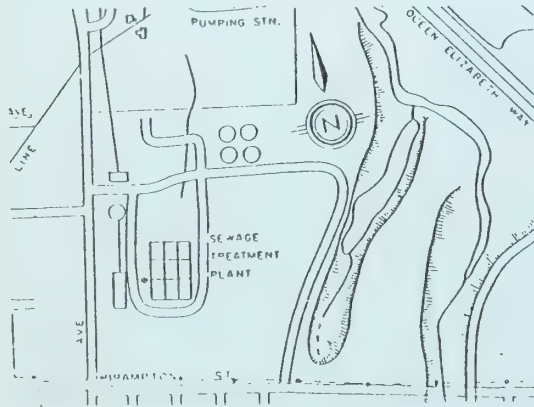
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 31

1. PROJECT

Woodward Ave. - Sewage Treatment
Plant Expansion, Phase II -
Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Extension to Chlorine contact chamber,
primary clarifier, degritting complex,
yard piping and associated works.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	7 700 000
OTHER	

TOTAL	7 700 000
-------	-----------

SUBSIDY M.O.E.	1 000 000
CONTRIBUTIONS	

TOTAL	1 000 000
-------	-----------

NET COST	6 700 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	6 700 000
PROPERTY OWNERS	
OTHER	

TOTAL	6 700 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 2 700 000

1982 3 000 000

1983 2 000 000

1984

1985 AND AFTER

TOTAL	7 700 000
-------	-----------

6. NEED FOR PROJECT

To increase plant capacity to
meet anticipated treatment
requirements.

Flow is expected to exceed
plant capacity in 1984.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	814 400
--------------	---------

ANNUAL COSTS	
--------------	--

TOTAL	814 400
-------	---------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 38226-D

FILE NO. 819-13

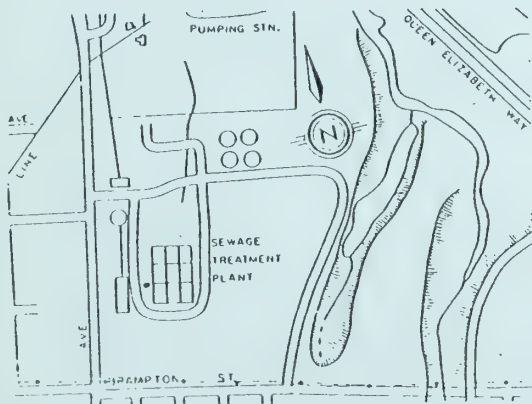
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 31

1. PROJECT

Woodward Ave. - Sewage Treatment
Plant Phase III - Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Additional sewage pump, sludge
filtration, floatation, incineration
and associated works.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	1 500 000
TOTAL	1 500 000
SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL
NET COST	1 500 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	1 500 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 500 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

500 000

19 83

1 000 000

19

19 AND AFTER

TOTAL 1 500 000

6. NEED FOR PROJECT

To increase plant capacity to
meet anticipated disposal
requirements, - complete
expansion to approx. 400 million
litres per day capacity.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	182 300
ANNUAL COSTS	N/A
TOTAL	182 300

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32218

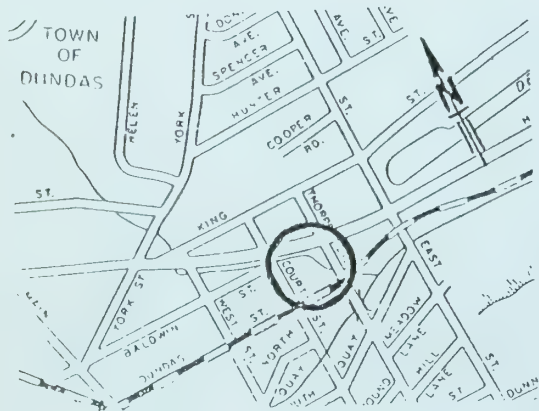
FILE NO.

DEPT./AGENCY Engineering CAPITAL BUDGET PAGE 31

1. PROJECT

East Street Area -

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Reconstruction of local sanitary sewer;
 approximate size 250 to 380 mm dia.
 approximate length - 450 metres

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	230 000
OTHER	
TOTAL	230 000
SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL
NET COST	230 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	230 000
PROPERTY OWNERS	
OTHER	
TOTAL	230 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL 230 000

6. NEED FOR PROJECT

To replace overloaded
 sanitary sewers.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	28 000
ANNUAL COSTS	300
TOTAL	28 300

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 30215A

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 31

1. PROJECT

Greenhill Avenue, -
Storage tank and settling basin, -
Construction

Hamilton

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 500 000
OTHER	
TOTAL	<u>2 500 000</u>
SUBSIDY M.O.E.	320 000
CONTRIBUTIONS	
TOTAL	<u>320 000</u>
NET COST	<u><u>2 180 000</u></u>

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	2 180 000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>2 180 000</u>

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 1 000 000

1983 1 500 000

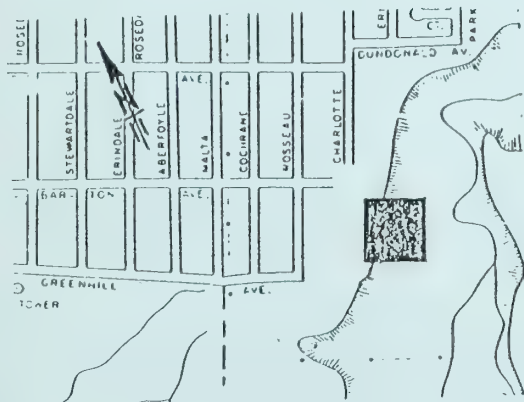
1984

1985 AND AFTER

TOTAL 2 500 000

6. NEED FOR PROJECT

To reduce pollution in Red
Hill Creek and Burlington Bay
by controlling overflow from
a combined trunk sewer.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

90 Million litres partially covered
storage tank and settling basin.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u>265 000</u>
ANNUAL COSTS	<u>5 000</u>
TOTAL	<u><u>270 000</u></u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32219

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 32

1. PROJECT

Fife Street - from Chestnut Ave. to
Sherman Ave. - reconstruction of sewers

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local sanitary sewer, 250 mm dia., private
drains and pavement restoration.

Approx. length 135 metres.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	105 000
OTHER	

TOTAL	105 000
-------	---------

SUBSIDY	
CONTRIBUTIONS	NIL

TOTAL	NIL
-------	-----

NET COST	105 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	105 000
PROPERTY OWNERS	
OTHER	

TOTAL	105 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 105 000

1983

1984

1985 AND AFTER

TOTAL	105 000
-------	---------

6. NEED FOR PROJECT

Required to replace overloaded
combined sewers and to correct
local deficiencies.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	12 900
--------------	--------

ANNUAL COSTS	100
--------------	-----

TOTAL	12 900
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32220

FILE NO.

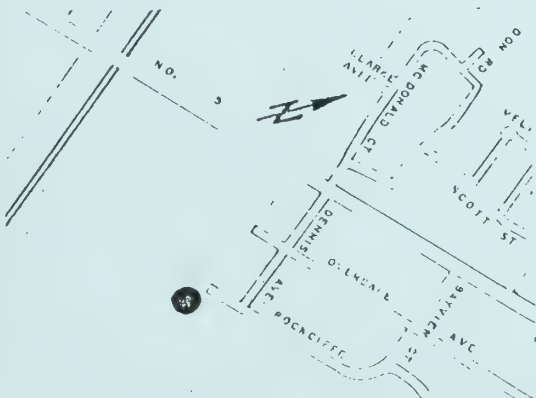
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 32

1. PROJECTPumping Station
S-W5 Rockcliffe

- Engineering and land

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTIONSanitary pumping station and
forcemain4. CAPITAL COST ESTIMATE

LAND	30 000
CONSTRUCTION	
OTHER Engineering	50 000
TOTAL	80 000

SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL

NET COST	80 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	80 000
PROPERTY OWNERS	
OTHER	
TOTAL	80 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 30 000

1983 50 000

1984

1985 AND AFTER

TOTAL 80 000

6. NEED FOR PROJECTTo service existing Rockcliffe
area - to eliminate pollution7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 9 700

ANNUAL COSTS N/A

TOTAL 9 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32221

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 32

1. PROJECTEastern Sewage Treatment Plant
Land Acquisition

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTIONAcquisition of approximately 20 hectares
parcel for possible future plant.4. CAPITAL COST ESTIMATE

LAND	2 000 000
CONSTRUCTION	
OTHER	

TOTAL 2 000 000

SUBSIDY	NIL
CONTRIBUTIONS	

TOTAL NIL

NET COST 2 000 000

AMOUNT TO BE FINANCED:

REGIONAL S. Surcharge	2 000 000
PROPERTY OWNERS	
OTHER	

TOTAL 2 000 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 2 000 000

1983

1984

1985 AND AFTER

TOTAL 2 000 000

6. NEED FOR PROJECTTo provide for the construc-
tion of new Sewage Treatment
Plant for long range
development7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 243 100

ANNUAL COSTS N/A

TOTAL 243 100

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

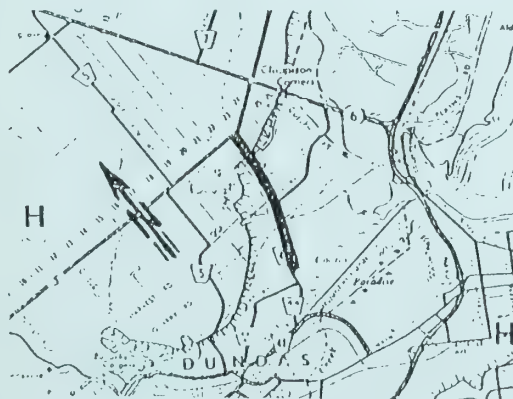
FUNCTION Sewage Works

PROJECT NO. 32222

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 32

1. PROJECTClappison's Corners
Trunk Sanitary Sewer,Engineering and Land
Dundas, Flamborough2. MAP TO LOCATE PROJECT3. DESCRIPTIONTrunk sanitary sewer to
cross escarpment.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER(Eng. & land)	300 000
TOTAL	300 000

SUBSIDY	
CONTRIBUTIONS	NIL
TOTAL	NIL

NET COST	300 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	300 000
PROPERTY OWNERS	
OTHER	
TOTAL	300 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80

1981

1982 150 000

1983 150 000

1984

1985 AND AFTER

TOTAL 300 000

6. NEED FOR PROJECTTo provide an outlet
for future servicing
of Clappison's Corners
area.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 36 500

ANNUAL COSTS N/A

TOTAL 36 500

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 38226-E

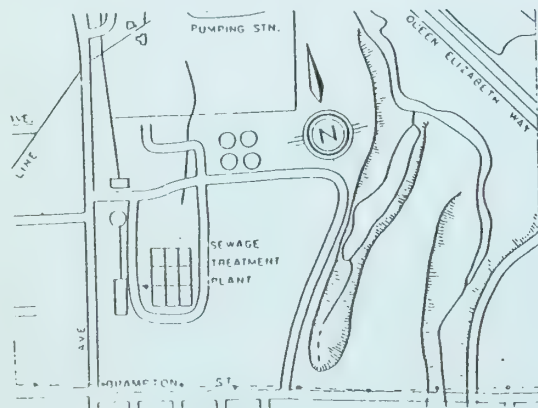
FILE NO. 819-13

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 32

1. PROJECTWoodward Ave. - Sewage Treatment Plant
Phase III - Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

See Item 38226D- Engineering

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	24 000 000
OTHER	

TOTAL	24 000 000
-------	------------

SUBSIDY M.O.E.	4 000 000
CONTRIBUTIONS	

TOTAL	4 000 000
-------	-----------

NET COST	20 000 000
----------	------------

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	20 000 000
PROPERTY OWNERS	
OTHER	

TOTAL	20 000 000
-------	------------

5. CASH FLOW

O.H.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984	2 000 000
------	-----------

1985 AND AFTER	22 000 000
----------------	------------

TOTAL	24 000 000
-------	------------

6. NEED FOR PROJECTTo increase plant capacity to
meet anticipated disposal
requirements.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	2 431 000
--------------	-----------

ANNUAL COSTS	
--------------	--

TOTAL	2 431 000
-------	-----------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 33201

FILE NO.

DEPT./AGENCY Engineering

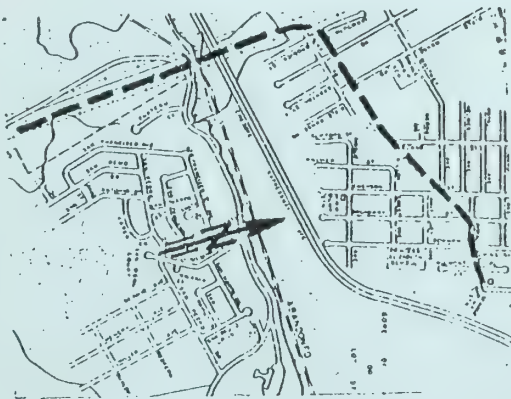
CAPITAL BUDGET PAGE 32

1. PROJECT

Iona Sanitary Trunk Sewer,-

Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Engineering for 900 mm dia. sanitary trunk sewer.

4. CAPITAL COST ESTIMATE

LAND

CONSTRUCTION

OTHER Engineering

100 000

TOTAL

100 000

SUBSIDY

CONTRIBUTIONS

NIL

TOTAL

NIL

NET COST

100 000

AMOUNT TO BE FINANCED:

REGIONAL S. Surcharge

100 000

PROPERTY OWNERS

OTHER

TOTAL

100 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

100 000

1984

1985 AND AFTER

TOTAL

100 000

6. NEED FOR PROJECT

To provide capacity for
growth above the Escarpment
West of Scenic Drive.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

12 200

ANNUAL COSTS

N/A

TOTAL

12 200

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 33202

FILE NO.

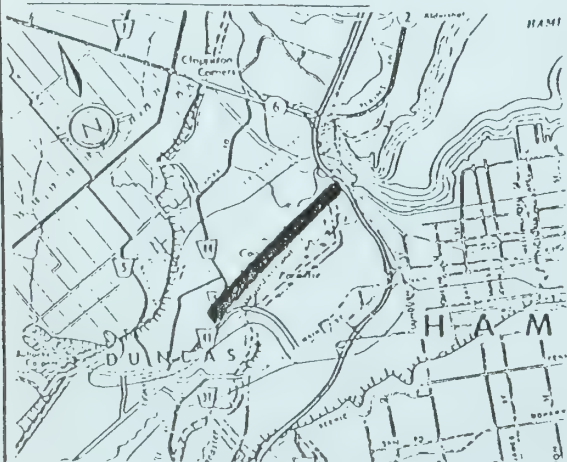
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 33

1. PROJECT

King Street S.T.P.
Outfall sewer,-
Engineering.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Approx. 1,050 mm dia.
outfall sewer from Plant
to Burlington Bay.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION
OTHER (Engineering) 200 000

TOTAL 200 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 200 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 200 000
PROPERTY OWNERS
OTHER

TOTAL 200 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 100 000

1984 100 000

1985 AND AFTER

TOTAL 200 000

6. NEED FOR PROJECT

To eliminate the discharge
of effluent from the
King St. S.T.P. to
Cootes Paradise, as
pollution loading
exceeds the permitted
limit for such discharge
to Cootes Paradise.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 24 300

ANNUAL COSTS N/A

TOTAL 24 300

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32222 A

FILE NO.

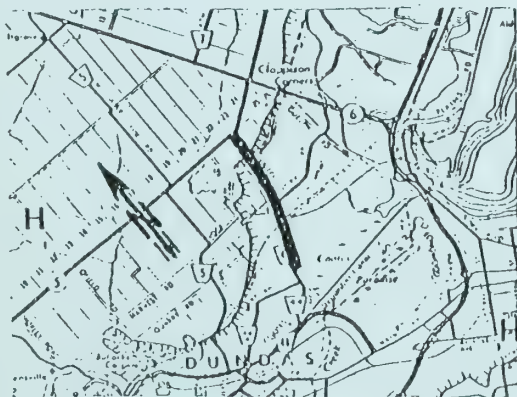
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 33

1. PROJECT

Clappison's Corners
Trunk Sanitary Sewer,-
Construction.

Dundas, Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk sanitary sewer.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	3 000 000
OTHER	
TOTAL	3 000 000
SUBSIDY M.O.E.	350 000
CONTRIBUTIONS	
TOTAL	350 000
NET COST	2 650 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	2 650 000
PROPERTY OWNERS	
OTHER	
TOTAL	2 650 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 2 000 000

1985 AND AFTER 1 000 000

TOTAL 3 000 000

6. NEED FOR PROJECT

To provide an outlet
for future servicing
of Clappison's Corners
area.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	322 100
ANNUAL COSTS	2 300
TOTAL	324 400

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 32220 A

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 33

1. PROJECT

Pumping Station
S-W5 Rockcliffe,-
Construction.

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Sanitary sewage pumping
Station and forcemain.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 500 000
OTHER

TOTAL 500 000

SUBSIDY M.O.E. 75 000
CONTRIBUTIONS

TOTAL 75 000

NET COST 425 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 425 000
PROPERTY OWNERS
OTHER

TOTAL 425 000

5. CASH FLOW

O.N.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 300 000

1985 AND AFTER 200 000

TOTAL 500 000

6. NEED FOR PROJECT

To service existing
Rockcliffe area and
eliminate pollution.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 51 700

ANNUAL COSTS 6 000

TOTAL 57 700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 33202A

FILE NO.

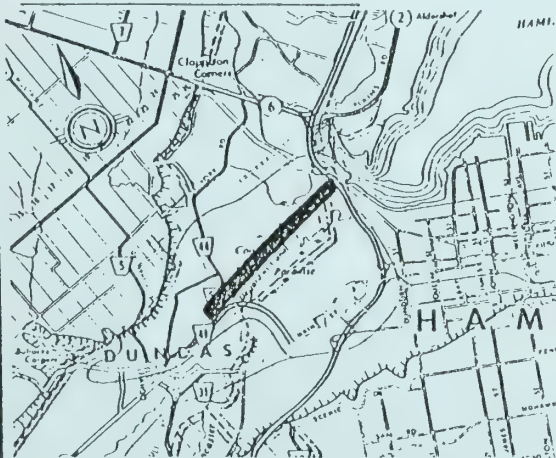
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 33

1. PROJECT

King Street S.T.P.
Outfall sewer,-
Construction.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Approx. 1,050 mm dia.
outfall sewer from Plant
to Burlington Bay

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	3 000 000
OTHER	
TOTAL	3 000 000
SUBSIDY M.O.E.	450 000
CONTRIBUTIONS	
TOTAL	450 000
NET COST	2 550 000

AMOUNT TO BE FINANCED:	
REGIONAL S. Surcharge	2 550 000
PROPERTY OWNERS	
OTHER	
TOTAL	2 550 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:
PRIOR TO BUDGET

1980	
1981	
1982	
1983	
1984	100 000
1985 AND AFTER	2 900 000
TOTAL	3 000 000

6. NEED FOR PROJECT

To eliminate the discharge of effluent from the King St. S.T.P. to Cootes Paradise, as pollution loading exceeds the permitted limit for such discharge to Cootes Paradise.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	310 000
ANNUAL COSTS	3 000
TOTAL	313 000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Work

PROJECT NO. 11000D

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 36

1. PROJECTRated Sewers & Minor Improvements -
19784. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	572,000
OTHER	

TOTAL	572,000
-------	---------

SUBSIDY M.T.C.	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	572,000
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AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	572,000
PROPERTY OWNERS	
OTHER T.R.	

TOTAL	572,000
-------	---------

6. NEED FOR PROJECT

To finance Local Improvement
Act sewers and minor works
generally associated with
road construction

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980	572,000
------	---------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	572,000
-------	---------

3. DESCRIPTION

Various local sewers

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000E

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 36

1. PROJECTRated sewers & Minor Improvements -
19792. MAP TO LOCATE PROJECT3. DESCRIPTION

Various local sewers

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1,100,000
OTHER	

TOTAL	1,100,000
-------	-----------

SUBSIDY M.T.C.	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	1,100,000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL ST.S.R.	
PROPERTY OWNERS	1,100,000
OTHER T.R.	

TOTAL	1,100,000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980	1,100,000
------	-----------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	1,100,000
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6. NEED FOR PROJECT

See Item 11000D

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000 F

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 34&36

1. PROJECT

Rated Sewers and Minor Improvements,
1980

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Various local sewers

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 500 000
OTHER

TOTAL 2 500 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 2 500 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 1 400 000
PROPERTY OWNERS 1 100 000
OTHER

TOTAL 2 500 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980 1 000 000

1981 1 500 000

1982

1983

1984

1985 AND AFTER

TOTAL 2 500 000

6. NEED FOR PROJECT

To finance Local
Improvement Act sewers
and minor works
generally associated
with road construction.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000 G

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 34&36

1. PROJECT

Rated Sewers and
Minor Improvements,
1981

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 600 000
OTHER

TOTAL 2 600 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 2 600 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 1 400 000
PROPERTY OWNERS 1 200 000
OTHER

TOTAL 2 600 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81 1 200 000

19 82 1 400 000

19 83

19 84

19 85 AND AFTER

TOTAL 2 600 000

6. NEED FOR PROJECT

See Item 11000 F

3. DESCRIPTION

Various local sewers.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000 H

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 34&36

1. PROJECT

Rated Sewers and
Minor Improvements,
1982

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Various Local Sewers.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 500 000
OTHER

TOTAL 2 500 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 2 500 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 1 400 000
PROPERTY OWNERS 1 100 000
OTHER

TOTAL 2 500 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982 1 200 000

1983 1 300 000

1984

1985 AND AFTER

TOTAL 2 500 000

6. NEED FOR PROJECT

See Item 11000 F

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000 I

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 34&36

1. PROJECT

Rated Sewers and
Minor Improvements,
1983

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Various local sewers.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 600 000
OTHER

TOTAL 2 600 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 2 600 000

AMOUNT TO BE FINANCED:
REGIONAL S. Surcharge 1 400 000
PROPERTY OWNERS 1 200 000
OTHER

TOTAL 2 600 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 1 200 000

1984 1 400 000

1985 AND AFTER

TOTAL 2 600 000

6. NEED FOR PROJECT

See Item 11000 F

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage Works

PROJECT NO. 11000 J

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 34&37

1. PROJECT

Rated Sewers and
Minor Improvements,
1984

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Various local sewers.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 700 000
OTHER

TOTAL 2 700 000

SUBSIDY
CONTRIBUTIONS NIL

TOTAL NIL

NET COST 2 700 000

AMOUNT TO BE FINANCED:
REGIONAL 1 400 000
PROPERTY OWNERS 1 300 000
OTHER

TOTAL 2 700 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 1 300 000

1985 AND AFTER 1 400 000

TOTAL 2 700 000

6. NEED FOR PROJECT

See Item 11000 F

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28713

FILE NO. 807-12

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 38

1. PROJECTImprovements to District W-H4
Water Distribution System

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION16" watermain on future Greenhill Ave.
from King St. to C.P.R. tracks.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 296 000
OTHER	

TOTAL 1 296 000

SUBSIDY	
CONTRIBUTIONS	

TOTAL Nil

NET COST 1 296 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 296 000
PROPERTY OWNERS	
OTHER	

TOTAL 1 296 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 1 290 000

1980 6 000

1981

1982

1983

19 84

19 85 AND AFTER

TOTAL 1 296 000

6. NEED FOR PROJECTTrunk watermain to service
Gershome neighbourhood.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

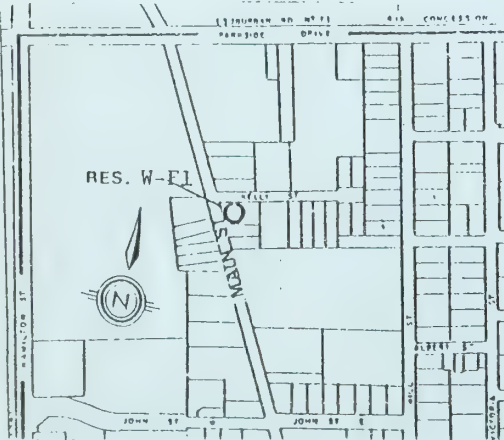
REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works
PROJECT NO. 25601 FILE NO. 823-01
DEPT./AGENCY Engineering CAPITAL BUDGET PAGE 38

1. PROJECT

Waterdown Reservoir W-Fl.

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

1.69 M.I.G. reservoir

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 211 000
OTHER	
TOTAL	1 211 000
SUBSIDY CMHC	188 000
CONTRIBUTIONS M.O.E.	112 000
TOTAL	300 000
NET COST	911 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	911 000
PROPERTY OWNERS	
OTHER	
TOTAL	911 000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	1 070 000
19 80	141 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	1 211 000

6. NEED FOR PROJECT

To increase storage for Waterdown to meet present day standards. Sufficient capacity for approximately 6000 people.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 25757

FILE NO. 823-09

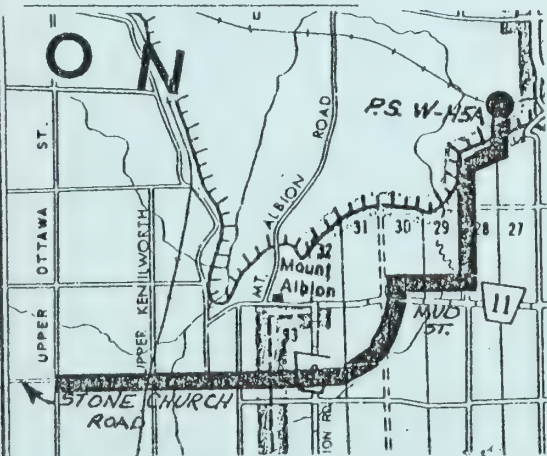
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 38

1. PROJECT

Trunk Watermain from the Pumping Station W-H5A to Upper Ottawa - Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

48 inch diameter trunk watermain - Engineering only.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	200 000
TOTAL	200 000
SUBSIDY M.O.E.	30 000
CONTRIBUTIONS	
TOTAL	30 000
NET COST	170 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	170 000
PROPERTY OWNERS	
OTHER	
TOTAL	170 000

5. CASH FLOW

O.N.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	200 000
19 80	
19 81	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	200 000

6. NEED FOR PROJECT

Trunk main required to connect P.S. W-H5A to existing distribution network above the escarpment.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 25705

FILE NO. 816-05

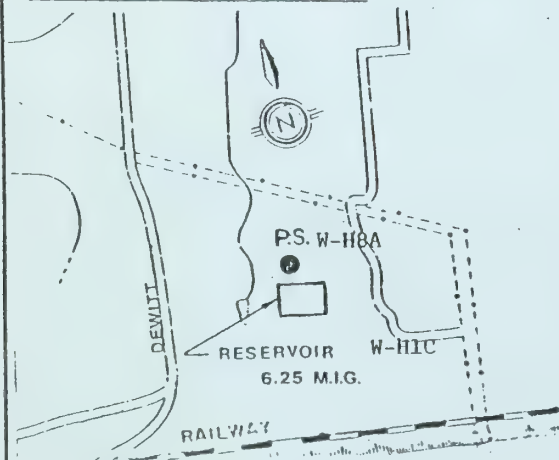
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 38

1. PROJECT

Pumping Station W-H8A at
Reservoir W-H1C.
(OHAP - 280) 1976

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	626 000
OTHER	
TOTAL	626 000
SUBSIDY M.O.E.	85 000
CONTRIBUTIONS CMHC	85 000
TOTAL	170 000
NET COST	456 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	456 000
PROPERTY OWNERS	
OTHER	
TOTAL	456 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	560 000
1980	66 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	626 000

6. NEED FOR PROJECT

For further housing develop-
ment within Stoney Creek
below the escarpment.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26701

FILE NO. 816-01

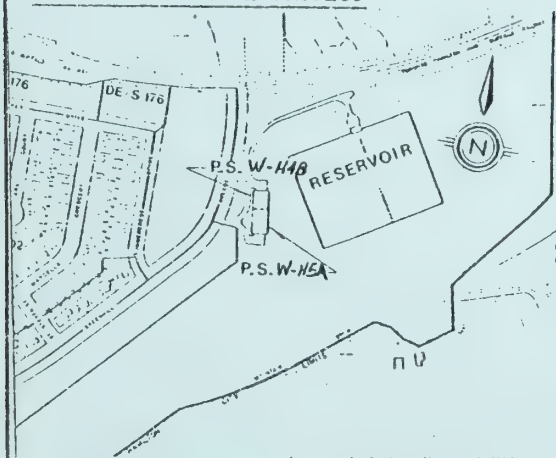
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 38

1. PROJECT

Pumping Station W-H5A - Construction.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

P. Station with pumps #1 & #2 with a
firm capacity of 5.0 M.I.G.D.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 500 000
OTHER	

TOTAL	2 500 000
-------	-----------

SUBSIDY M.O.E.	200 000
CONTRIBUTIONS CMHC	283 000

TOTAL	483 000
-------	---------

NET COST	2 017 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	2 017 000
PROPERTY OWNERS	
OTHER	

TOTAL	2 017 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	1 743 000
-----------------	-----------

19 80	757 000
-------	---------

19 81	
-------	--

19 82	
-------	--

19 83	
-------	--

19 84	
-------	--

19 85 AND AFTER	
-----------------	--

TOTAL	2 500 000
-------	-----------

6. NEED FOR PROJECT

To supply all new development
within Hamilton and Stoney
Creek above the escarpment.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26757

FILE NO. 823-09

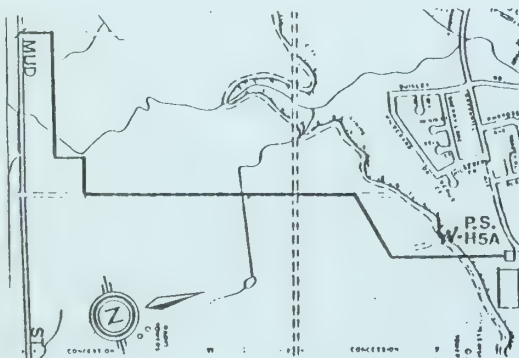
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 38

1. PROJECT

Trunk watermain from Pumping Station W-H5A to Mud St. - Construction

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

48 inch trunk watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 200 000
OTHER	
TOTAL	2 200 000
SUBSIDY M.O.E.	360 000
CONTRIBUTIONS CMHC	300 000
TOTAL	660 000
NET COST	1 540 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 540 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 540 000

5. CASH FLOW

O.N.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	1 370 000
1980	780 000
1981	50 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	2 200 000

6. NEED FOR PROJECT

Phase I of trunk watermain required to connect Pumping Station W-H5A to existing distribution system above the escarpment. Initially will supply development within Saltfleet Community.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

t

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26745

FILE NO. 823-04

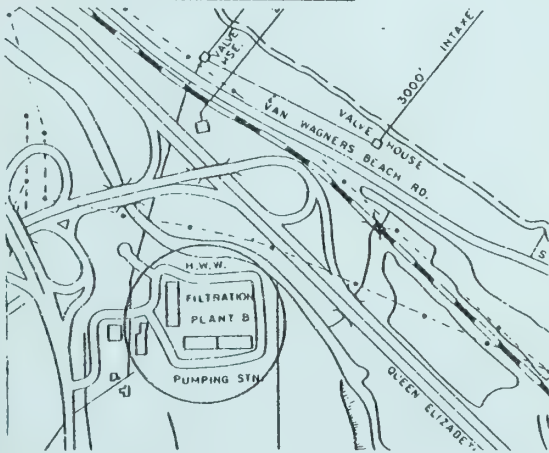
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Woodward Ave. - Water Treatment
Plant Expansion to 200 M.I.G.D. & Waste
Water Treatment - Study

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Investigation on experiments on filter
media and research on Waste Water
Treatment.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	90 000
OTHER	
TOTAL	90 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	90 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	90 000
PROPERTY OWNERS	
OTHER	
TOTAL	90 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	80 000
1980	10 000
1981	
1982	
1983	
1984	
1985 AND AFTER	

TOTAL 90 000

6. NEED FOR PROJECT

To determine if present
filter media will permit flow
rates of 10 M.I.G.D. per filter
and determine most economical
methods to treat waste water.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____
ANNUAL COSTS _____
TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26746

FILE NO. 801-07

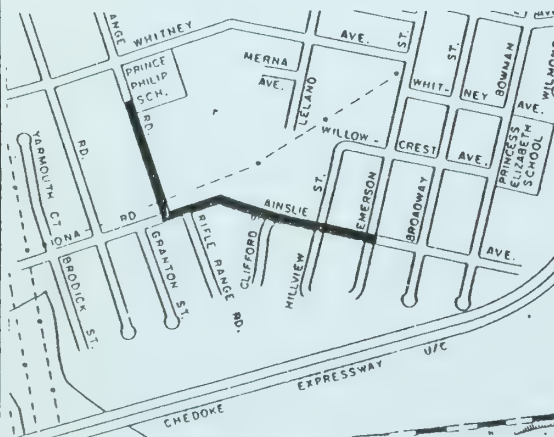
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Ainslie and Iona from Emerson to Rifle Range and Rifle Range from Iona to 700' northerly.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Trunk Watermain - 16 inch & 12 inch diameter.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	165 000
OTHER	

TOTAL	165 000
-------	---------

SUBSIDY M.O.E.	25 000
CONTRIBUTIONS	

TOTAL	25 000
-------	--------

NET COST	140 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	140 000
PROPERTY OWNERS	
OTHER	

TOTAL	140 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	165 000
-----------------	---------

19 80

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	165,000
-------	---------

6. NEED FOR PROJECT

To increase supply in west end of Hamilton and in Dundas to meet expected growth.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26747

FILE NO. 819-14

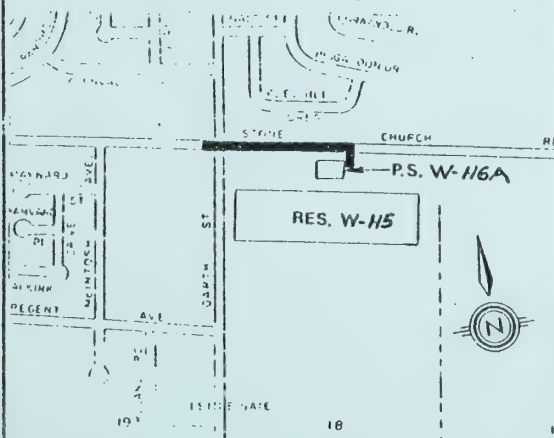
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Stone Church Road from Pumping
Station W-H6A to Garth Street.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

36" diameter - Trunk Watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	207 000
OTHER	
TOTAL	207 000
SUBSIDY M.O.E.	24 000
CONTRIBUTIONS CMHC	16 000
TOTAL	40 000
NET COST	167 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	167 000
PROPERTY OWNERS	
OTHER	
TOTAL	167 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	207 000
19 80	
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	207 000

6. NEED FOR PROJECT

To supply water to west
end of Hamilton above the
escarpment and reinforce
the distribution system
at Pumping Station W-H6A.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26810

FILE NO. 807-05

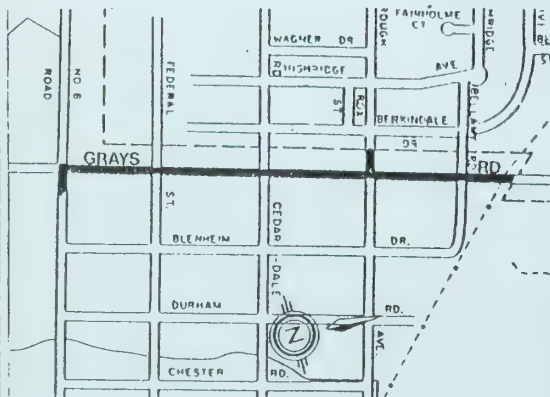
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Grays Rd., Roxborough Ave. and Hwy. #8

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

16" and 12" diameter watermains on Roxborough Ave. from Grays Rd. to Town Limits and on Grays Rd. from Hwy. #8 to Barton St. and on Hwy. #8 from Grays Road to approx. 500' easterly.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	270 000
OTHER	

TOTAL	270 000
-------	---------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	270 000
----------	---------

AMOUNT TO BE FINANCED:

REGIONAL W.R.	270 000
PROPERTY OWNERS	
OTHER	

TOTAL	270 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	240 000
-----------------	---------

1980	30 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	270 000
-------	---------

6. NEED FOR PROJECT

The main on Grays Road is required to avoid disturbance of new pavements proposed for 1977. The small sections on Roxborough Ave. and Hwy. #8 are required to utilize the new main to its full extent.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27501

FILE NO. 818-05

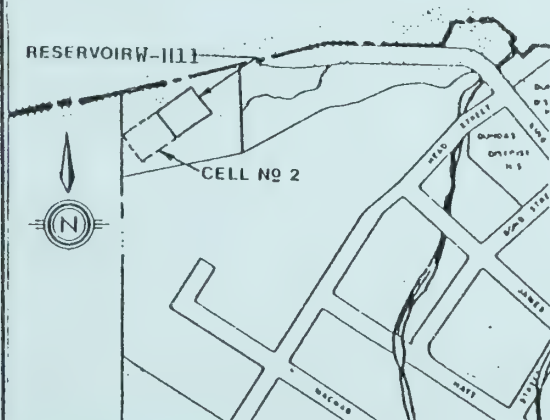
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Reservoir W-H11 Expansion - Construction

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Expansion of reservoir from 1.0 M.I.G. to 3.6 M.I.G.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	995 000
OTHER	

TOTAL	995 000
-------	---------

SUBSIDY M.O.E.	135 000
CONTRIBUTIONS	

TOTAL	135 000
-------	---------

NET COST	860 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	860 000
PROPERTY OWNERS	
OTHER	

TOTAL	860 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	70 000
-----------------	--------

19 80	400 000
-------	---------

19 81	390 000
-------	---------

19 82	
-------	--

19 83	
-------	--

19 84	
-------	--

19 85 AND AFTER	
-----------------	--

TOTAL	860,000
-------	---------

6. NEED FOR PROJECT

To provide adequate storage for District W-H11 which includes the Central Business District of Dundas.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27702

FILE NO. 823-13

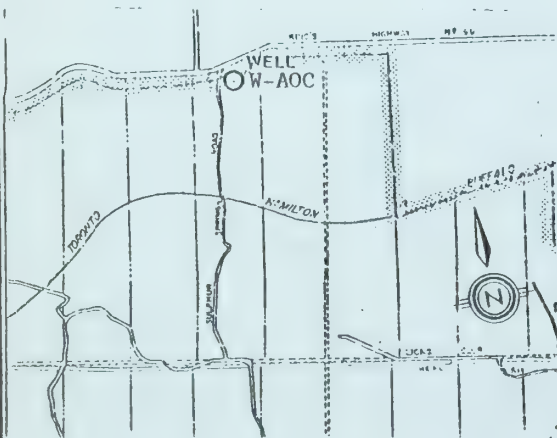
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 39

1. PROJECT

Well W-AOC - Sulphur Springs Rd.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

10 in. diameter well and pumping equipment
with 1.0 M.T.G.D. capacity.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	255 000
OTHER	
TOTAL	255 000
SUBSIDY CMHC	35 000
CONTRIBUTIONS	
TOTAL	35 000
NET COST	220 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	220 000
PROPERTY OWNERS	
OTHER	
TOTAL	220 000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	245 000
1980	10 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	255 000

6. NEED FOR PROJECT

To complete the development
of the Sulphur Springs Rd.
site and supply adequate
water to western Dundas and
Ancaster.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27704

DEPT./AGENCY Engineering

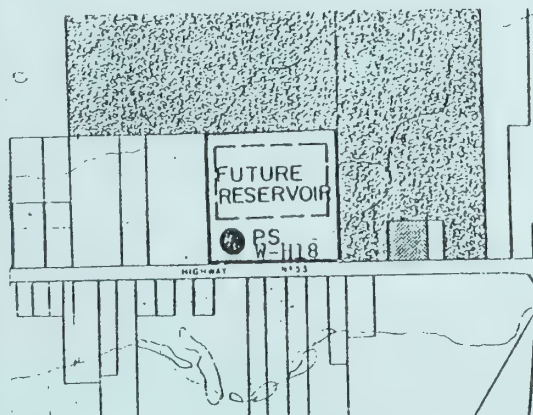
FILE NO. 816-21

CAPITAL BUDGET PAGE 40

1. PROJECT

P.S. W-H18- Ancaster
- Engineering and Land

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Booster Pumping Station to supply
Town of Ancaster from Hamilton
District W-H6.

4. CAPITAL COST ESTIMATE

LAND	25 000
CONSTRUCTION	
OTHER Engineering	180 000
TOTAL	205 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	205 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	205 000
PROPERTY OWNERS	
OTHER	
TOTAL	205 000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	200 000
19 80	5 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	205 000

6. NEED FOR PROJECT

The existing well field
used to supply Ancaster
and Dundas has insufficient
capacity to permit new
development in Ancaster.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
ANNUAL COSTS	
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27705

FILE NO. 802-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 40

1. PROJECT

Barton St. from Grays Road to DeWitt
- Design and construction of trunk
watermain

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

42" & 36" diameter trunk
watermain.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 300 000
OTHER	

TOTAL	1 300 000
-------	-----------

SUBSIDY M.O.E.	195 000
CONTRIBUTIONS	

TOTAL	195 000
-------	---------

NET COST	1 105 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 105 000
PROPERTY OWNERS	
OTHER	

TOTAL	1 105 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

19 80	1 195 000
-------	-----------

19 81	105 000
-------	---------

19 82	
-------	--

19 83	
-------	--

19 84	
-------	--

19 85 AND AFTER	
-----------------	--

TOTAL	1 300 000
-------	-----------

6. NEED FOR PROJECT

To maintain adequate water
supply to area below
escarpment east of Grays Road.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27706

FILE NO. 818-14

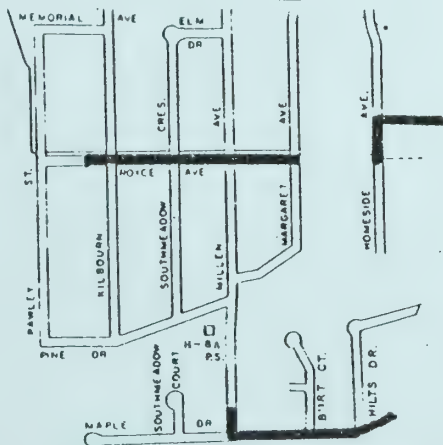
DEPT./AGENCY ENGINEERING

CAPITAL BUDGET PAGE 40

1. PROJECT

Royce Avenue and Maple Drive
- Watermains

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Royce Ave. from 160' west of Kilbourne Ave. to Margaret St.; Homeside Ave. from Royce Ave. to approx. 250' northerly; Easement from Homeside Ave. to approx. 463' westerly; Maple Dr. from Millen Ave to 300' east of Hilts Dr.; Millen Ave. from Maple Dr. to approx. 215' northerly - 12" watermains

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 180 000
OTHER

TOTAL 180 000

SUBSIDY
CONTRIBUTIONS

TOTAL Nil

NET COST 180 000

AMOUNT TO BE FINANCED:
REGIONAL W.R. 180 000
PROPERTY OWNERS
OTHER

TOTAL 180 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 111 000

1980 69 000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 180 000

6. NEED FOR PROJECT

Reinforcement of District W-H8 distribution network required to maintain adequate pressure under peak operating conditions.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27725

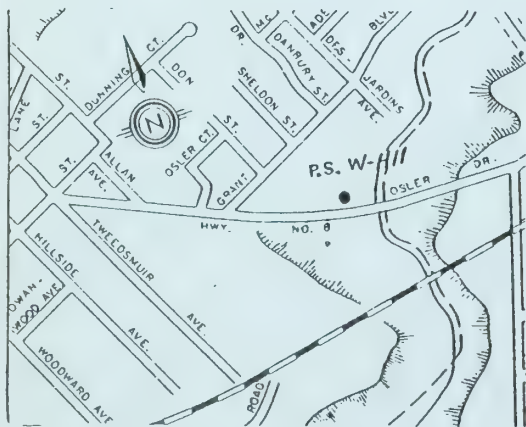
FILE NO. 816-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 40

1. PROJECTPumping Station W-H11 - Chlorination
Facilities.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTIONBuilding and equipment for rechlorinating
at Pumping Station W-H11 - Osler Drive.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	200 000
OTHER	

TOTAL	200 000
-------	---------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	200 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	200 000
PROPERTY OWNERS	
OTHER	

TOTAL	200 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET	166 000
-----------------	---------

1980	34 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	200 000
-------	---------

6. NEED FOR PROJECTTo maintain chlorine levels
in water supplied to Dundas
Area.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27817

FILE NO. 818-13

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 40

1. PROJECT

Reservoir W-AOA and Feedermain.
- Engineering and land.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

3.0 M.I.G. reservoir and 16" & 24" connecting watermain from Glenwood Heights area to Morden Neighbourhood in Dundas.

4. CAPITAL COST ESTIMATE

LAND 67 000
CONSTRUCTION
OTHER 100 000

TOTAL 167 000

SUBSIDY
CONTRIBUTIONS

TOTAL Nil

NET COST 167 000

AMOUNT TO BE FINANCED:

REGIONAL W.R. 167 000

PROPERTY OWNERS

OTHER

TOTAL 167 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

19 80 167 000

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL 167 000

6. NEED FOR PROJECT

Reservoir Storage to satisfy requirements of Morden, Sobel and Turnbull Neighbourhoods as well as future supply for Glenwood Heights - Greensville distribution system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27704A

FILE NO. 816-21

DEPT./AGENCY Engineering

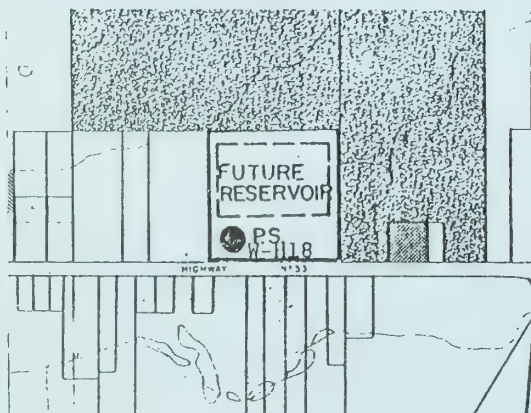
CAPITAL BUDGET PAGE 40

1. PROJECT

P.S. W-H18 -Ancaster

- Construction

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Booster Pumping Station to supply
Town of Ancaster from Hamilton
District W-H6.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 400 000
OTHER	
TOTAL	1 400 000
SUBSIDY M.O.E.	200 000
CONTRIBUTIONS	
TOTAL	200 000
NET COST	1 200 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 200 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 200 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

1980	600 000
1981	800 000
1982	
1983	
1984	
1985 AND AFTER	

TOTAL 1 400 000

6. NEED FOR PROJECT

The existing well field
used to supply Ancaster and
Dundas has insufficient
capacity to permit new
development in Ancaster
and Dundas.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28757

FILE NO. 823-20

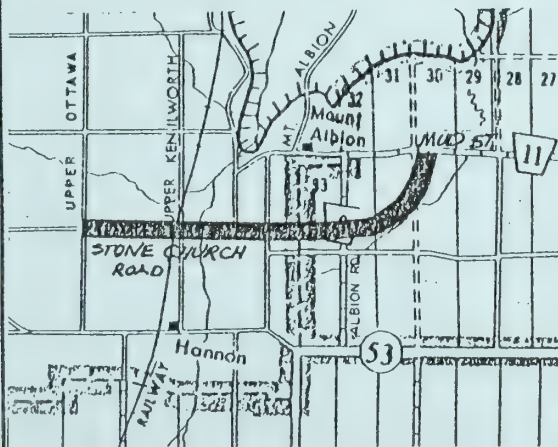
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 41

1. PROJECT

Trunk Watermain from Mud Street to
Upper Ottawa St. - Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

1200 mm diameter trunk main.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 200 000
OTHER	
TOTAL	2 200 000
SUBSIDY M.O.E.	330 000
CONTRIBUTIONS CMHC	250 000
TOTAL	580 000
NET COST	1 620 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 620 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 620 000

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET

19 80	1 580 000
19 81	620 000
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	2 200 000

6. NEED FOR PROJECT

To provide water to all lands
above the escarpment and west
of Paramount Drive.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27703

FILE NO. 818-08

DEPT./AGENCY Engineering

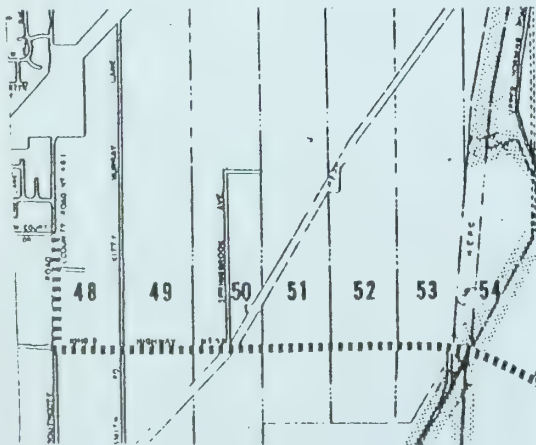
CAPITAL BUDGET PAGE 41

1. PROJECT

Hwy. 53 trunk watermain from Upper
Paradise Road to Southcote Road.

- Construction

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

600 mm watermain - Hwy. 53 from Upper
Paradise Rd. to Hamilton City Limits.
400 mm watermain - Hwy. 53 from Upper
Paradise Rd. to Southcote Road.
400 mm watermain - Southcote Road from
Hwy. 53 to Gray Court Drive.
300 mm watermain - Garth Street from
Claudette Gate to Hwy. 53.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 349 000
OTHER	
TOTAL	1 349 000
SUBSIDY M.O.E.	180 000
CONTRIBUTIONS	
TOTAL	180 000
NET COST	1 169 000

AMOUNT TO BE FINANCED:

REGIONAL W.R.	1 169 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 169 000

5. CASH FLOW

O.M.B. REQUIRED	Received
EXPENDITURES:	
PRIOR TO BUDGET	
1980	1 349 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	1 349 000

6. NEED FOR PROJECT

The existing well field used to
supply Ancaster has insufficient
capacity to permit new
development and consequently the
supply must be augmented from
the Hamilton system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION	Water Works
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PROJECT NO. 28719

FILE NO. 816-12

DEPT./AGENCY Engineering

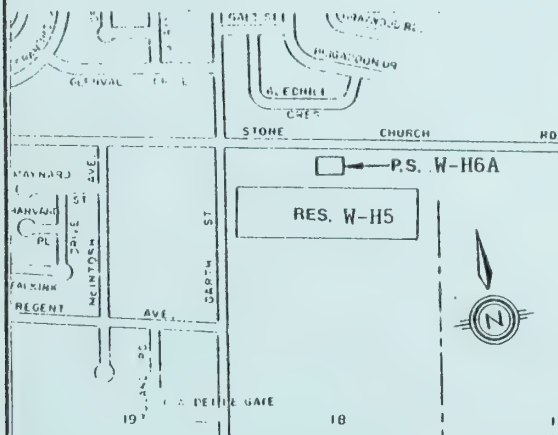
CAPITAL BUDGET PAGE 41

1. PROJECT

Pumping Station W-H6A
Install electric motor on Pump #2

Hamilton

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

To provide and install electric motor on a pump which is now diesel driven.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	55 000
OTHER	

TOTAL	55 000
-------	--------

SUBSIDY
CONTRIBUTIONS P 55 000

TOTAL	55 000
-------	--------

NET COST	Nil
----------	-----

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	Nil
PROPERTY OWNERS	
OTHER	

TOTAL	Nil
-------	-----

5. CASH FLOW

O.M.B.	REQUIRED	Not required
--------	----------	--------------

EXPENDITURES:

PRIOR TO BUDGET

19 80	55 000
-------	--------

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	55 000
-------	--------

6. NEED FOR PROJECT

To increase capacity of electrically driven pumps to meet demand.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28754

FILE NO. 818-35

DEPT./AGENCY Engineering

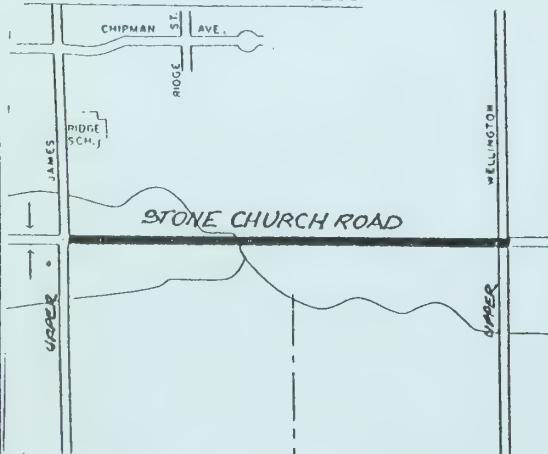
CAPITAL BUDGET PAGE 41

1. PROJECT

Stone Church Road Watermain
Upper James St. to Upper Wellington
Street

- Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

750 mm watermain on Stone Church Rd.
from Upper James Street to Upper
Wellington St.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	20 000
TOTAL	20 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	20 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	20 000
PROPERTY OWNERS	
OTHER	
TOTAL	20 000

5. CASH FLOW

O.M.B. REQUIRED Not required

EXPENDITURES:

PRIOR TO BUDGET

1980	20 000
------	--------

1981

1982

1983

1984

1985 AND AFTER

TOTAL	20 000
-------	--------

6. NEED FOR PROJECT

Residential development
in east mountain area will
overload the existing
watermains on Stone Church
Road and Rymal Road by
1980.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29720

FILE NO. 823-12

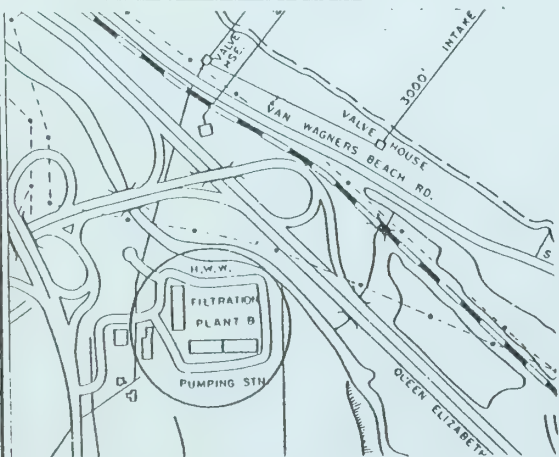
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 41

1. PROJECT

Woodward Ave. Treatment Plant -
Waste Water Treatment - Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Installation of facilities to treat
back wash water.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	60 000
TOTAL	60 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	60 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	60 000
PROPERTY OWNERS	
OTHER	
TOTAL	60 000

5. CASH FLOW

O.M.B. REQUIRED Not required

EXPENDITURES:
PRIOR TO BUDGET

1980	60 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	60 000

6. NEED FOR PROJECT

Treatment of backwash water is recommended to improve the quality to the wastewater discharged to Burlington Bay to meet Ministry of the Environment objectives for waste water discharged to a receiving waterbody.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29763

FILE NO. 808-13

DEPT./AGENCY Engineering

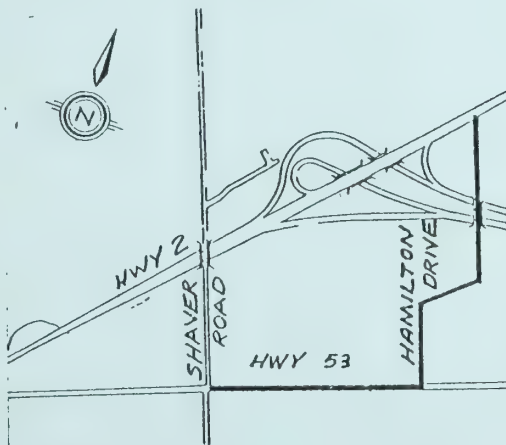
CAPITAL BUDGET PAGE 42

1. PROJECT

Hwy. 53 - Shaver's Road to Hamilton Drive and on Hamilton Drive from Hwy. 53 to Hwy. 2.

- Engineering

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm watermains

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER - Engineering	62 000
TOTAL	62 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	62 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	62 000
PROPERTY OWNERS	
OTHER	
TOTAL	62 000

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET

19 80	62 000
-------	--------

19 81	
-------	--

19 82	
-------	--

19 83	
-------	--

19 84	
-------	--

19 85 AND AFTER	
-----------------	--

TOTAL	62 000
-------	--------

6. NEED FOR PROJECT

To supply water to abutting lands and industrial development at Duff's Corner.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	
--------------	--

ANNUAL COSTS	
--------------	--

TOTAL	
-------	--

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29766

FILE NO. 801-22

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 42

1. PROJECT

Alma Street at Sydenham Road

-Watermain Installation.

Dundas

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	32 000
OTHER	

TOTAL	32 000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	32 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	32 000
PROPERTY OWNERS	
OTHER	

TOTAL	32 000
-------	--------

6. NEED FOR PROJECT

The proposed installation is required to correct deficiencies in the distribution network at the indicated location.

2. MAP TO LOCATE PROJECT5. CASH FLOW

O.M.B. REQUIRED Not required

EXPENDITURES:

PRIOR TO BUDGET

19 80	32 000
-------	--------

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	32 000
-------	--------

3. DESCRIPTION

150 mm watermain

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29767

DEPT./AGENCY Engineering

FILE NO. 816-09

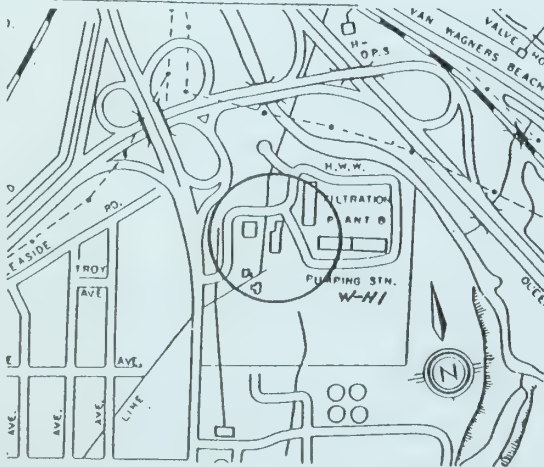
CAPITAL BUDGET PAGE 42

1. PROJECT

Pumping Station W-H1
Station Expansion and Surge
Protection.

-Preliminary Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Preliminary engineering for
building expansion for 4 pumps
plus new surge protection
equipment.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	50 000
TOTAL	50 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	50 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	50 000
PROPERTY OWNERS	
OTHER	
TOTAL	50 000

5. CASH FLOW

O.M.B. REQUIRED Not required

EXPENDITURES:

PRIOR TO BUDGET

1980	50 000
------	--------

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	50 000
-------	--------

6. NEED FOR PROJECT

Preliminary engineering
of proposed future
expansion is required
to determine if the
addition of new surge
protection equipment
can be accommodated.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29768

DEPT./AGENCY Engineering

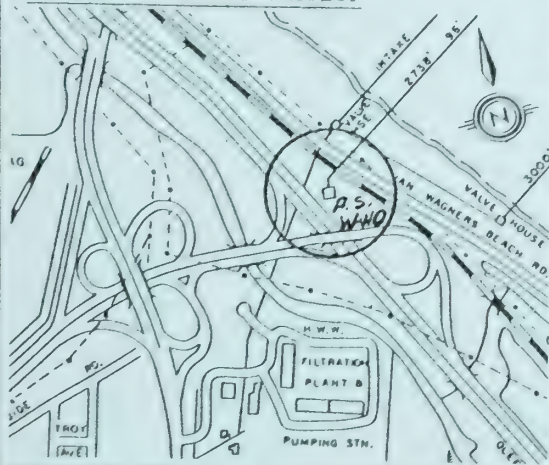
FILE NO. 816-37

CAPITAL BUDGET PAGE 42

1. PROJECT

Pumping Station W-HO
-Roof Repairs

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Repair and replacement of
roofing on this existing
pumping station.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	65 000
OTHER	
TOTAL	65 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	65 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	65 000
PROPERTY OWNERS	
OTHER	
TOTAL	65 000

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET

1980 65 000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 65 000

6. NEED FOR PROJECT

The original roofing
on the pumping station
has deteriorated and
and requires extensive
repair to prevent
damage to pumping
equipment due to
leakage.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27727A

DEPT./AGENCY Engineering

FILE NO. 813-27

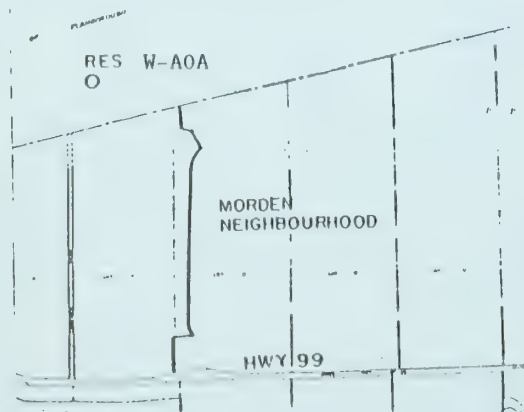
CAPITAL BUDGET PAGE 42

1. PROJECT

Morden Neighbourhood Watermain.

- Construction.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm & 600 mm watermains to connect supply at Hwy. 99 to Res. W-AOA.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	320 000
OTHER	
TOTAL	320 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	320 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	320 000
PROPERTY OWNERS	
OTHER	
TOTAL	320 000

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET

1980	120 000
1981	200 000
1982	
1983	
1984	
1985 AND AFTER	

TOTAL 320 000

6. NEED FOR PROJECT

Local distribution watermain through Morden Neighbourhood to connect supply and reservoir. Cost to be recovered from the developer.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 27817A

FILE NO. 818-13

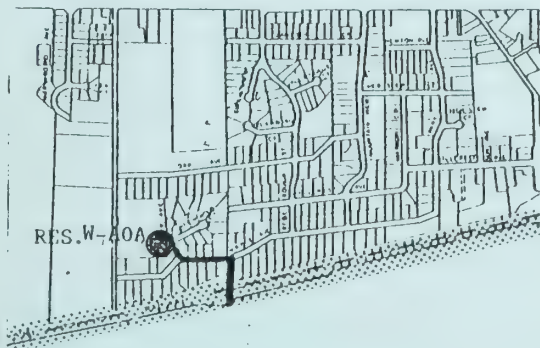
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 43

1. PROJECT

Reservoir W-AOA and feedermain.
- Construction.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

13,640 m³ reservoir and 400 mm & 600 mm
connecting watermain from Glenwood
Heights area to Morden Neighbourhood
in Dundas.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 500 000
OTHER	

TOTAL	1 500 000
-------	-----------

SUBSIDY M.O.E.	300 000
CONTRIBUTIONS	

TOTAL	300 000
-------	---------

NET COST	1 200 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 200 000
PROPERTY OWNERS	
OTHER	

TOTAL	1 200 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1979

EXPENDITURES:

PRIOR TO BUDGET

19 80	500 000
-------	---------

19 81	700 000
-------	---------

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	1 200 000
-------	-----------

6. NEED FOR PROJECT

Reservoir Storage to satisfy
requirements of Morden, Sobel
and Turnbull Neighbourhoods
as well as future supply for
Glenwood Heights - Greenville
distribution system.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20753

DEPT./AGENCY Engineering

FILE NO. 816-05

CAPITAL BUDGET PAGE 43

1. PROJECT

Pumping Station W-H8A - generator set.

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Generator set to supply standby power to drive 2 pumps rated at 130 L/sec. and 40 m T.D.H.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	80 000
OTHER	
TOTAL	80 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL

NET COST	80 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	80 000
PROPERTY OWNERS	
OTHER	
TOTAL	80 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	10 000
1981	70 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	80 000

6. NEED FOR PROJECT

Standby power is required to ensure continuous pumpage into District H8 during power failure.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	9 724
ANNUAL COSTS	4 000
TOTAL	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20762

FILE NO.

DEPT./AGENCY Engineering

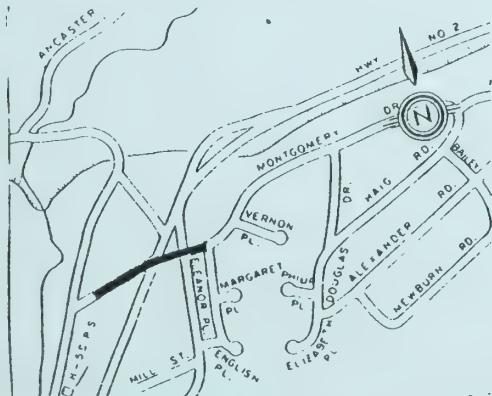
CAPITAL BUDGET PAGE 43

1. PROJECT

Montgomery Drive - Old Dundas Road
to Eleanor Road

- Watermain Construction

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

200 mm watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	36 000
OTHER	
TOTAL	36 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	36 000
AMOUNT TO BE FINANCED:	
REGIONAL W.R.	36 000
PROPERTY OWNERS	
OTHER	
TOTAL	36 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80	36 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	36 000

6. NEED FOR PROJECT

Existing development in Ancaster Heights is serviced via a single 150 mm watermain. This watermain will increase the reliability of supply to this district and reduce the possibility of disruption of service due to watermain rupture.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 376
ANNUAL COSTS	
TOTAL	4 376

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20750

DEPT./AGENCY Engineering

FILE NO. 823-33

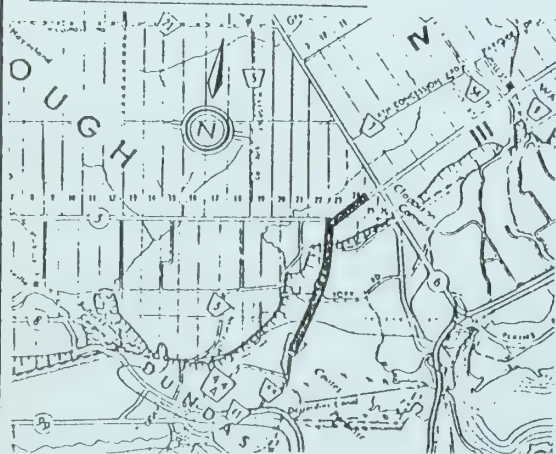
CAPITAL BUDGET PAGE 43

1. PROJECT

Waterdown Trunk Watermain

-Engineering and land.

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

600 mm on York Road and Valley Road from Hopkins Court to Algonquin Avenue.
 400 mm on Algonquin Avenue and Hwy. 5 from south end of Algonquin Avenue to approximately 460 m west of Hwy. 6

4. CAPITAL COST ESTIMATE

LAND	20 000
CONSTRUCTION	
OTHER - Engineering	90 000
TOTAL	110 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	110 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	110 000
PROPERTY OWNERS	
OTHER	
TOTAL	110 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80	60 000
19 81	50 000
19 82	
19 83	
19 84	
19 85 AND AFTER	

TOTAL 110 000

6. NEED FOR PROJECT

To supply water to Flamborough to allow new residential and industrial development as well as upgrading the supply to existing development to meet present day standards.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	13 371
ANNUAL COSTS	
TOTAL	13 371

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28754A

DEPT./AGENCY Engineering

FILE NO. 818-35

CAPITAL BUDGET PAGE 43

1. PROJECT

Stone Church Road Trunk Watermain
Upper James St. to 213 m east of
Upper Wellington Street.

- Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

750 mm. watermain on Stone Church
Road from Upper James St. to Upper
Wellington St.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	430 000
OTHER	
TOTAL	430 000
SUBSIDY	
CONTRIBUTIONS	100 000
TOTAL	100 000
NET COST	330 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	330 000
PROPERTY OWNERS	
OTHER	
TOTAL	330 000

5. CASH FLOW

O.M.B. REQUIRED	1980
EXPENDITURES:	
PRIOR TO BUDGET	
19 80	430 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	430 000

6. NEED FOR PROJECT

Residential development
in east mountain area
will overload the
existing watermains on
Stone Church Road and
Rymal Road by 1980.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	40 112
ANNUAL COSTS	
TOTAL	40 112

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29755

DEPT./AGENCY Engineering

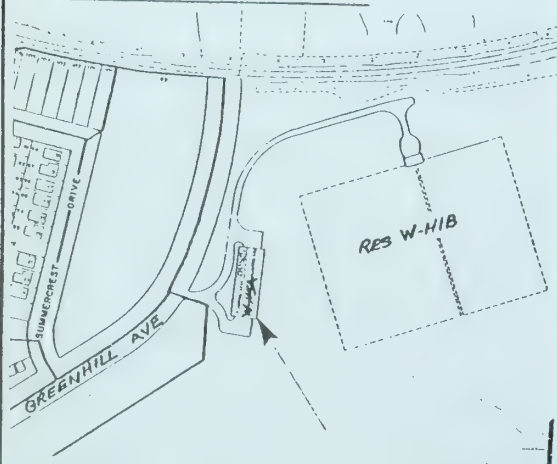
FILE NO. 816-24

CAPITAL BUDGET PAGE 43

1. PROJECT

P.S. W-H5A: Installation of Pump #3
- Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Pump 875 L/Sec.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER - Engineering	30 000
TOTAL	30 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	30 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80	30 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	30 000

6. NEED FOR PROJECT

The installation of this pump will coincide with the completion of the trunk watermain above the escarpment thereby providing sufficient firm pumping capacity for District W-H5. Presently, the maximum day demand for this District exceeds the firm pumping capacity.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 647
ANNUAL COSTS	N/A
TOTAL	3 647

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 26716

FILE NO.

DEPT./AGENCY Engineering

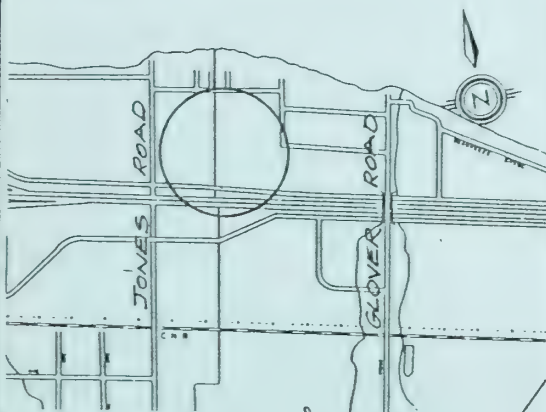
CAPITAL BUDGET PAGE 44

1. PROJECT

Eastern Water Treatment Plant

-Land Acquisition.

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Land for future water treatment plant.

4. CAPITAL COST ESTIMATE

LAND 220 000

CONSTRUCTION

OTHER

TOTAL 220 000

SUBSIDY

CONTRIBUTIONS

TOTAL Nil

NET COST

220 000

AMOUNT TO BE FINANCED:

REGIONAL W.R.

220 000

PROPERTY OWNERS

OTHER

TOTAL 220 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980 220 000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 220 000

6. NEED FOR PROJECT

To assure that the Region has vacant land to construct a water treatment plant early in the 21st century.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 26 741

ANNUAL COSTS

TOTAL 26 741

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29720-A

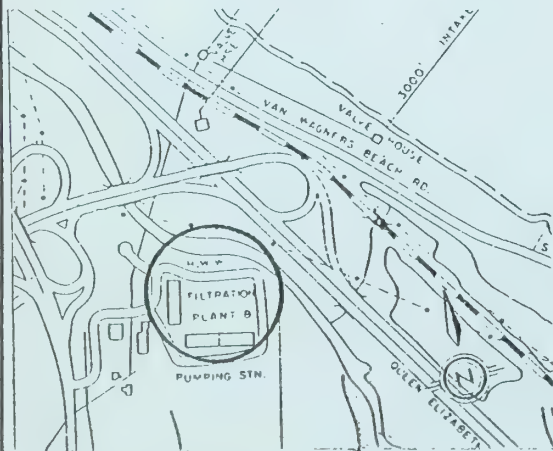
FILE NO. 823-12

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 44

1. PROJECTWoodward Avenue Treatment Plant -
Waste Water Treatment - Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTIONInstallation of facilities to treat
back wash water.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 500 000
OTHER	
TOTAL	<u>2 500 000</u>
SUBSIDY	370 000
CONTRIBUTIONS	
TOTAL	<u>370 000</u>
NET COST	<u><u>2 130 000</u></u>

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	2 130 000
PROPERTY OWNERS	
OTHER	
TOTAL	<u>2 130 000</u>

5. CASH FLOW

O.H.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	500 000
1981	1 500 000
1982	500 000
1983	
1984	
1985 AND AFTER	
TOTAL	<u>2 500 000</u>

6. NEED FOR PROJECTTo reduce the discharge of
solids from the backwash
water now discharged to the
Red Hill Creek7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	<u>258 902</u>
ANNUAL COSTS	<u>75 000</u>
TOTAL	<u><u>333 902</u></u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29765A

DEPT./AGENCY Engineering

FILE NO.819-37

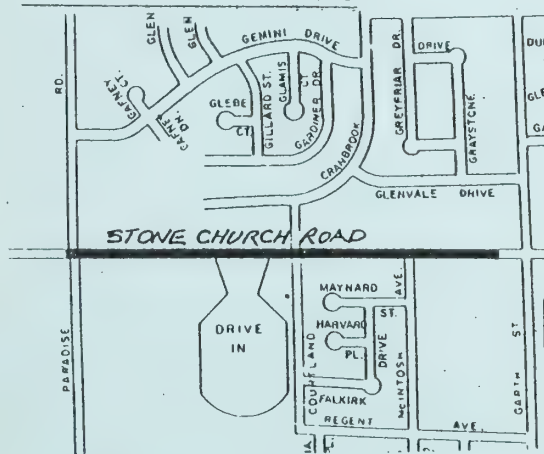
CAPITAL BUDGET PAGE 44

1. PROJECT

Stone Church Road Trunk Watermain
from Garth Street to Upper Paradise
Road.

- Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

750 mm watermain on Stone Church
Road from Garth St. to Upper
Paradise Road.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	390 000
OTHER	
TOTAL	390 000
SUBSIDY	60 000
CONTRIBUTIONS	
TOTAL	60 000
NET COST	330 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	330 000
PROPERTY OWNERS	
OTHER	
TOTAL	330 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	390 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	390 000

6. NEED FOR PROJECT

Residential development
west of Upper Paradise
Road will overload the
existing 400 mm main on
Stone Church Road by 1981.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	40 112
ANNUAL COSTS	
TOTAL	40 112

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20727

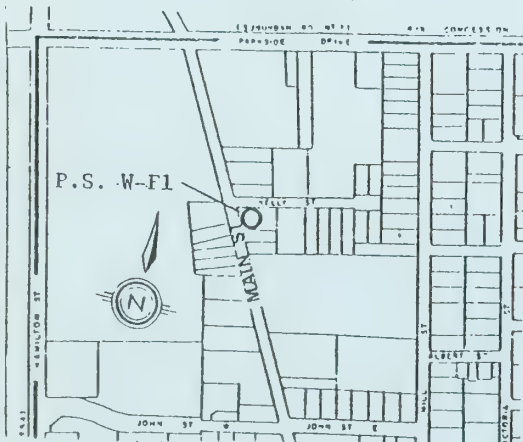
FILE NO. 816-15

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 44

1. PROJECTPumping Station W-F1 - (Reconstruction)
Engineering

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTIONPumping Station with 2 pumps rated
at 225 L/sec. and 1 pump at 40 L/sec.
plus stand-by power.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER - Engineering	40 000
TOTAL	40 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	40 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	40 000
PROPERTY OWNERS	
OTHER	
TOTAL	40 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	20 000
1981	20 000

1982	
1983	
1984	

1985 AND AFTER	
TOTAL	40 000

6. NEED FOR PROJECTThe existing station does not
meet present day standards
both in capacity and
reliability.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 862
ANNUAL COSTS	N/A
TOTAL	4 862

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20732

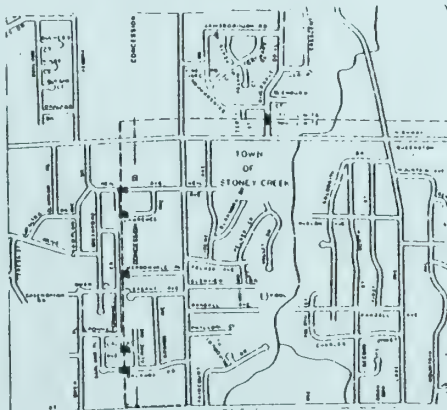
FILE NO. 813-21

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 44

1. PROJECTInterconnection across Stoney Creek
- Hamilton Boundary

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Neil Ave. at City Limits
 Orlando Rd. at Alpine Ave.
 Calvert Ave. at Alpine Ave.
 Meadowvale Ave. at City Limits
 Lawrence Ave. at City Limits
 Riverdale Dr. at Hwy. #8

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	80 000
OTHER	
TOTAL	80 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	80 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	80 000
PROPERTY OWNERS	
OTHER	
TOTAL	80 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80	80 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	80 000

6. NEED FOR PROJECT

To eliminate dead end
 watermain and utilize the
 existing network to its full
 extent.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	9 724
ANNUAL COSTS	
TOTAL	9 724

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO.20753

DEPT./AGENCY Engineering

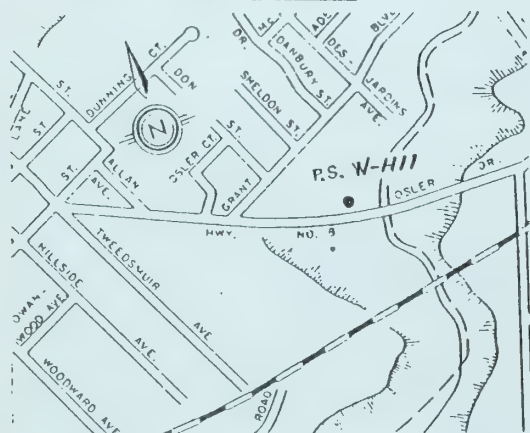
FILE NO.816-27

CAPITAL BUDGET PAGE 44

1. PROJECT

P.S. W-H11 - Installation of
Pump #3 and replacement of
Pump #2

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

2 pumps rated at
82.5 L/Sec. @ 20 m T.D.H.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	46 000
OTHER	
TOTAL	46 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	46 000
AMOUNT TO BE FINANCED:	
REGIONAL W.R.	46 000
PROPERTY OWNERS	
OTHER	
TOTAL	46 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980 46 000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 46 000

6. NEED FOR PROJECT

The maximum day consumption for the Town of Dundas exceeds the firm pumping capacity of this station presently, there are two pumps rated at 825 L/Sec. and 52.5 L/Sec., respectively with space for a third pump. A study undertaken in 1975 recommended the replacement of the 52.5 L/Sec. pump with an 825 L/Sec. pump and installation of a third pump rated at 825 L/Sec.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	5 591
ANNUAL COSTS	4 000
TOTAL	9 591

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20751

FILE NO. 816-26

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 45

1. PROJECT

P.S. W-H16

-Engineering and Land

Flamborough

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

Pumping station to be ultimately equipped with 4 pumps rated at 105 L/sec. and 140 m T.D.H.

Initial pump installation will consist of 2 pumps at 53 L/sec. and 150 m T.D.H.

4. CAPITAL COST ESTIMATE

LAND	.	10 000
------	---	--------

CONSTRUCTION	60 000
--------------	--------

OTHER

TOTAL 70 000

SUBSIDY CONTRIBUTIONS

TOTAL	Nil
-------	-----

NET COST	70 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	70 000

PROPERTY OWNERS

OTHER

TOTAL	70 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980 50 000

1981 20 000

1982

1983

1984

1985 AND AFTER

TOTAL	70 000
-------	--------

6. NEED FOR PROJECT

To supply water to Flamborough to allow new residential and industrial development as well as upgrading the supply to existing development to meet present day standards.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	8 509
--------------	-------

ANNUAL COSTS

TOTAL	8 509
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20763

FILE NO. 802-31

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 45

1. PROJECT

Burton Street from Victoria Avenue
to Wentworth Street.

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

300 mm watermain on Burton Street
from Victoria Avenue to Wentworth
Street.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	135 000
OTHER	
TOTAL	135 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	135 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	135 000
PROPERTY OWNERS	
OTHER	
TOTAL	135 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET	
19 80	135 000
19 81	
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	135 000

6. NEED FOR PROJECT

The proposed watermain will increase the delivery of water to the Wentworth Street Industrial area and thereby correct the fire protection deficiency that now exists. The installation will be undertaken in conjunction with proposed sewer and road reconstruction.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	16 409
ANNUAL COSTS	
TOTAL	16 409

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20764

FILE NO. 820-06

DEPT./AGENCY Engineering

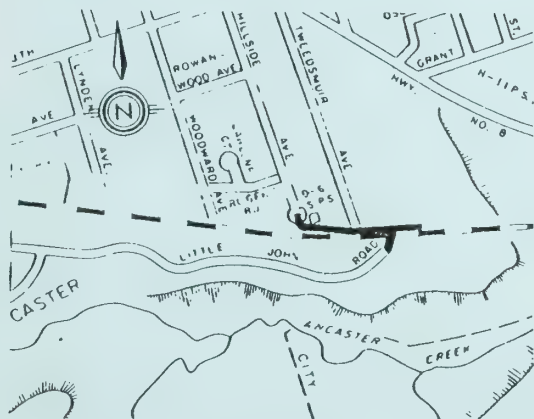
CAPITAL BUDGET PAGE 45

1. PROJECT

T. H. & B (Dundas) - Little John Rd.
to Hillside Avenue

-Watermain Installation.

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

300 mm watermain on T. H. & B. right-of-way from Little John Rd. to Hillside Ave. plus 150 mm and 200 mm cross connections to various existing dead-end watermain.

4. CAPITAL COST ESTIMATE

LAND	10 000
CONSTRUCTION	65 000
OTHER	

TOTAL	75 000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	75 000
----------	--------

AMOUNT TO BE FINANCED:

REGIONAL W.R.	75 000
PROPERTY OWNERS	
OTHER	

TOTAL	75 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	20 000
------	--------

1981	55 000
------	--------

1982	
------	--

1983	
------	--

1984	
------	--

1985 AND AFTER	
----------------	--

TOTAL	75 000
-------	--------

6. NEED FOR PROJECT

The proposed installation will provide additional capacity in the discharge mains from Pumping Station W-H11 in conjunction with installation of additional pumping capacity. It will also eliminate long dead-end mains on Little John Road and Tweedsmuir Avenue.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	9 116
--------------	-------

ANNUAL COSTS	
--------------	--

TOTAL	9 116
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21750

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 45

1. PROJECT

Pumping Station W-H18

- Standby Generator

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

750 kw diesel generator

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	200 000
OTHER	
TOTAL	200 000
SUBSIDY M.O.E.	30 000
CONTRIBUTIONS	
TOTAL	30 000
NET COST	170 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	170 000
PROPERTY OWNERS	
OTHER	
TOTAL	170 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	200 000
1981	
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	200 000

6. NEED FOR PROJECT

To ensure continuous supply to District W-H18 (Ancaster) during power failures.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	20 664
ANNUAL COSTS	15 000
TOTAL	35 664

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21751

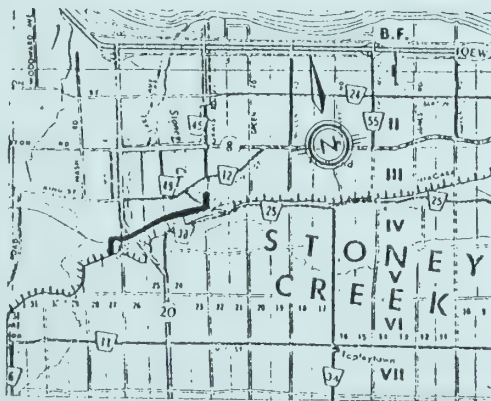
FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 45

1. PROJECT

District W-H4 Trunk Watermain
- Pumping Station W-H4 to Gray's Road.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm wtaremain along T. H. & B.
Right-of-way from Greenhill Avenue
to Gray's Road.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 650 000
OTHER

TOTAL 650 000

SUBSIDY
CONTRIBUTIONS

TOTAL Nil

NET COST 650 000

AMOUNT TO BE FINANCED:
REGIONAL W.R. 650 000
PROPERTY OWNERS
OTHER

TOTAL 650 000

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

19 80 350 000

19 81 300 000

19 82

19 83

19 84

19 85 AND AFTER

TOTAL 650 000

6. NEED FOR PROJECT

The existing distribution
network between King Street
and the escarpment cannot
supply adequate pressure
for all operating conditions.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 79 008

ANNUAL COSTS

TOTAL 79 008

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 29763A

FILE NO. 808-13

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE45&52

1. PROJECT

Hwy. 53 - Shaver's Road to
Hamilton Drive and Hamilton Drive
from Hwy. #53 to Hwy. #2.

- Construction

Ancaster

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	634 000
OTHER	
TOTAL	634 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	634 000

AMOUNT TO BE FINANCED:	
REGIONAL	534 000
PROPERTY OWNERS	100 000
OTHER	
TOTAL	634 000

5. CASH FLOW

O.M.B. REQUIRED 1981

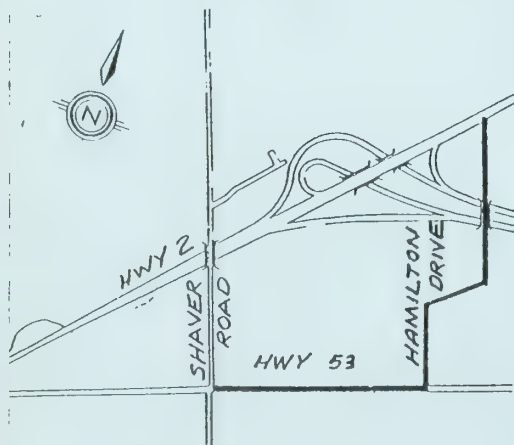
EXPENDITURES:

PRIOR TO BUDGET

19 80	
19 81	234 000
19 82	400 000
19 83	
19 84	
19 85 AND AFTER	
TOTAL	634 000

6. NEED FOR PROJECT

To supply water to
abutting lands and industrial
development at Duff's Corner.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm watermains

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	64 908
ANNUAL COSTS	
TOTAL	64 908

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21784

FILE NO.

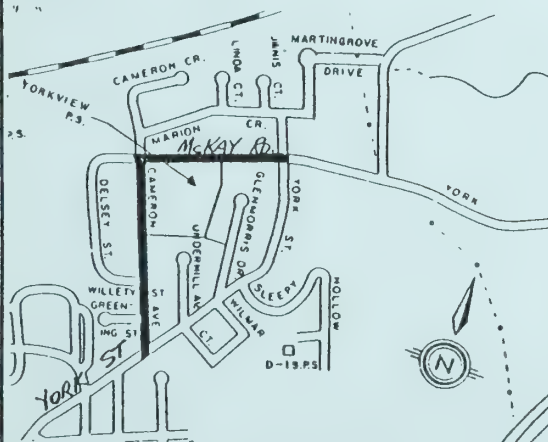
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 46

1. PROJECT

Cameron Ave. and McKay Road
-Watermain Installation

Dundas

2. MAP TO LOCATE PROJECT3. DESCRIPTION

300 mm watermain on Cameron Ave.
from York Road to McKay Road and
on McKay Road from Cameron Avenue
to York Road.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	166 000
OTHER	

TOTAL	166 000
-------	---------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	166 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	166 000
PROPERTY OWNERS	
OTHER	

TOTAL	166 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:
PRIOR TO BUDGET

1980

1981

166 000

1982

1983

1984

1985 AND AFTER

TOTAL	166 000
-------	---------

6. NEED FOR PROJECT

The proposed installation
will reinforce the
distribution network in
eastern Dundas and provide
additional capacity to
supply the proposed Pumping
Station W-H16 which will
service Flamborough.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	20 177
--------------	--------

ANNUAL COSTS

TOTAL	20 177
-------	--------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20727 A

FILE NO. 816-15

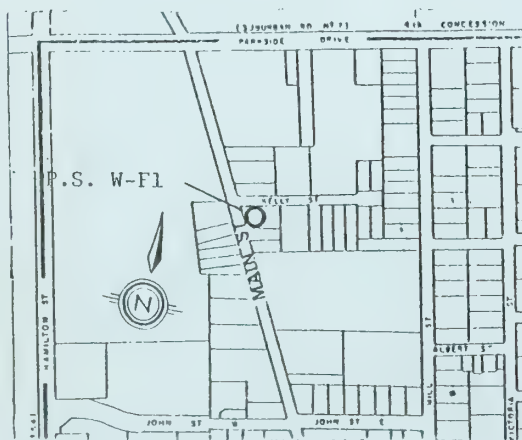
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 46

1. PROJECT

Pumping Station W-F1 (Reconstruction)
- Construction

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Pumping Station with 2 pumps @ 225 L/sec.
and 1 pump @ 40 L/sec. plus standby
power.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	400 000
OTHER	
TOTAL	400 000
SUBSIDY M.O.E.	60 000
CONTRIBUTIONS	
TOTAL	60 000
NET COST	340 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	340 000
PROPERTY OWNERS	
OTHER	
TOTAL	340 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81 200 000

19 82 200 000

19 83

19 84

19 85 AND AFTER

TOTAL 400 000

6. NEED FOR PROJECT

The existing pumping station
does not meet present day
standards both in capacity
and reliability.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	41 327
ANNUAL COSTS	
TOTAL	41 327

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21752.

FILE NO. 804-05

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 46

1. PROJECTDeWitt Road from Hwy. #8 to Barton St.
Trunk Watermain

-Engineering

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

600 mm diameter trunk watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	50 000
TOTAL	50 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	50 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	50 000
PROPERTY OWNERS	
OTHER	
TOTAL	50 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:
PRIOR TO BUDGET

1980	
1981	50 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	50 000

6. NEED FOR PROJECTTo supply water to reservoir
W-HIC on DeWitt Road.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	6 078
ANNUAL COSTS	
TOTAL	6 078

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 20750A

FILE NO. 823-33

DEPT./AGENCY Engineering

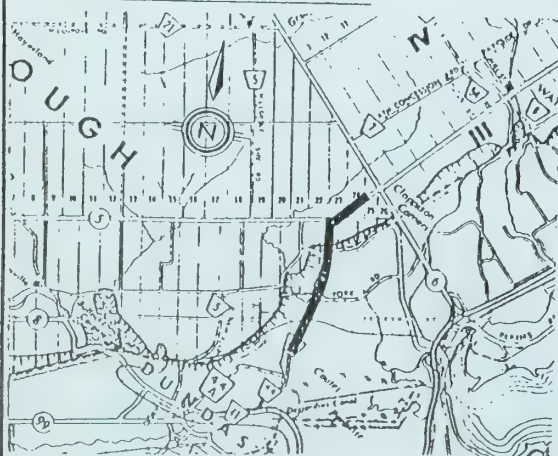
CAPITAL BUDGET PAGE 45&52

1. PROJECT

Waterdown Trunk Watermain

-Construction

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

600 mm on York Road and Valley Road
from Hopkins Court to Algonquin Ave.
400 mm on Algonquin Ave. and Hwy. 5
from south end of Algonquin Ave. to
approx. 460 m west of Hwy. 6.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 900 000
OTHER	
TOTAL	1 900 000
SUBSIDY M.O.E.	300 000
CONTRIBUTIONS	
TOTAL	300 000
NET COST	1 600 000

AMOUNT TO BE FINANCED:

REGIONAL	1 400 000
PROPERTY OWNERS	200 000
OTHER	
TOTAL	1 600 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	100 000
1982	1 800 000
1983	
1984	
1985 AND AFTER	
TOTAL	1 900 000

6. NEED FOR PROJECT

To supply water to
Flamborough to allow
new residential and
industrial development
as well as upgrading the
supply to existing
development to meet
present day standards.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	170 170
ANNUAL COSTS	
TOTAL	170 170

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION

Water Works

PROJECT NO.

20751A

FILE NO. 816-26

DEPT./AGENCY

Engineering

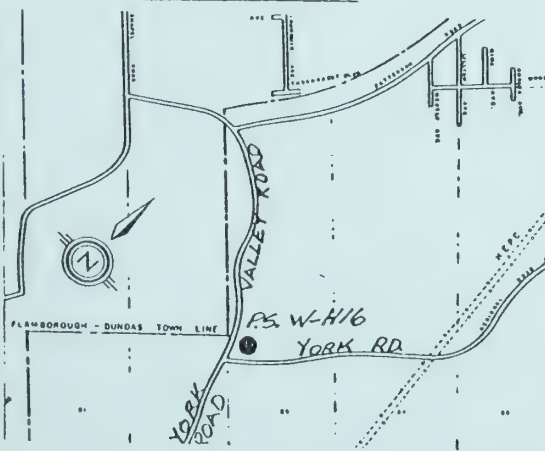
CAPITAL BUDGET PAGE 46

1. PROJECT

P.S. W-H16

-Construction

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Pumping station to be ultimately equipped with 4 pumps rated at 105 L/sec. and 140 m T.D.H.

Initial pump installation will consist of 2 pumps at 53 L/sec. and 150 m T.D.H.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 850 000
OTHER

TOTAL 850 000

SUBSIDY M.O.E. 120 000
CONTRIBUTIONS

TOTAL 120 000

NET COST 730 000

AMOUNT TO BE FINANCED:
REGIONAL W.R. 730 000
PROPERTY OWNERS
OTHER

TOTAL 730 000

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 350 000

1982 500 000

1983

1984

1985 AND AFTER

TOTAL 850 000

6. NEED FOR PROJECT

To supply water to Flamborough to allow new residential and industrial development as well as upgrading the supply to existing development to meet present day standards.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 88 732

ANNUAL COSTS

TOTAL 88 732

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21785

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 46

1. PROJECT

King Street (Dundas)

-Watermain installation.

Dundas

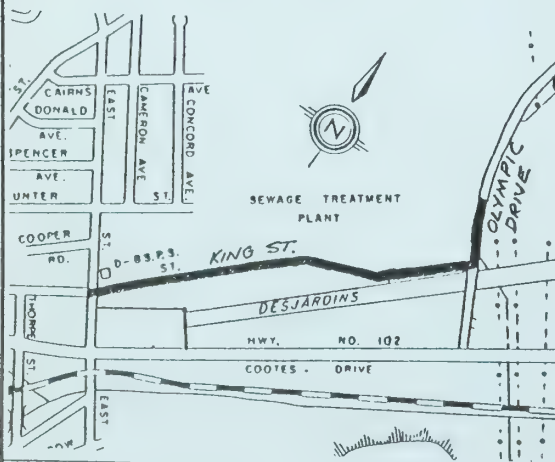
4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	245 000
OTHER	
TOTAL	245 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	245 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	245 000
PROPERTY OWNERS	
OTHER	
TOTAL	245 000

6. NEED FOR PROJECT

This installation will reinforce the District H11 network in conjunction with the Flamborough water supply project. The proposed installation will also become the discharge main for the future Pumping Station W-H11A which will be constructed at the north west corner of Olympic Dr. and King St.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm watermain on King St. from East St. to Olympic Drive.

300 mm watermain on Olympic Drive from King Street to approx. 165 m northerly.

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

19 80	
19 81	245 000
19 82	
19 83	
19 84	
19 85 AND AFTER	
TOTAL	245 000

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	29 780
ANNUAL COSTS	
TOTAL	29 780

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO.29755A

FILE NO. 816-24

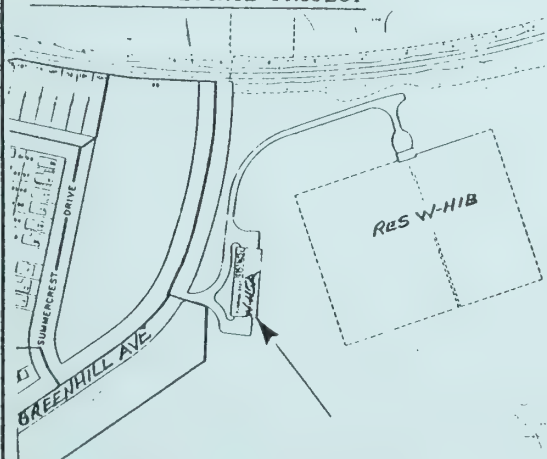
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 47

1. PROJECTP.S. W-H5A: Installation of
Pump #3

- Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

-Pump 875 L/Sec.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	430 000
OTHER	
TOTAL	430 000
SUBSIDY M.O.E.	80 000
CONTRIBUTIONS	
TOTAL	80 000
NET COST	350 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	350 000
PROPERTY OWNERS	
OTHER	
TOTAL	350 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80	
19 81	
19 82	200 000
19 83	230 000
19 84	
19 85 AND AFTER	
TOTAL	430 000

6. NEED FOR PROJECT

The installation of this pump will coincide with the completion of the trunk watermain above the escarpment thereby providing sufficient firm pumping capacity for District W-H5. Presently, the maximum day demand for this District exceeds the firm pumping capacity.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	42 543
ANNUAL COSTS	
TOTAL	42 543

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21780

FILE NO. 808-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 47

1. PROJECT

Hwy. 53 - 107 m west of Southcote Rd.
to Fiddler's Green Road and on
Fiddler's Green Rd. from Hwy. 53
to Cumming Court.

-Engineering

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	30 000
TOTAL	30 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	30 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	30 000
PROPERTY OWNERS	
OTHER	
TOTAL	30 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84

19 85

AND AFTER

TOTAL	30 000
-------	--------

6. NEED FOR PROJECT

Phase II of improvements
to Ancaster distribution
system to supply water
from Hamilton network.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	3 647
--------------	-------

ANNUAL COSTS	
--------------	--

TOTAL	3 647
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21783

FILE NO. 818-18

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 47

1. PROJECT

Reservoir W-H18S - Ancaster

- Engineering

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

34000 M³ ground storage reservoir
to be located at site of P.S. W-H18.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	130 000
TOTAL	130 000
SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil
NET COST	130 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	130 000
PROPERTY OWNERS	
OTHER	
TOTAL	130 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	100 000
1983	30 000
1984	
1985 AND AFTER	
TOTAL	130 000

6. NEED FOR PROJECT

The existing elevated tanks located in Ancaster provide insufficient storage for the system requirements. Consequently, additional storage is required to permit new residential and industrial growth.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	15 802
ANNUAL COSTS	
TOTAL	15 802

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works
PROJECT NO. 22728
DEPT./AGENCY Engineering

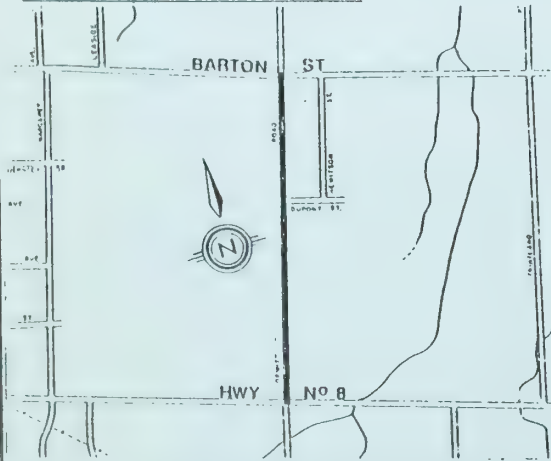
FILE NO. 804-05
CAPITAL BUDGET PAGE 47

1. PROJECT

DeWitt Road from Hwy. #8 to Barton St.
Trunk Watermain
- Construction

Stoney Creek

2. MAP TO LOCATE PROJECT



3. DESCRIPTION

600 mm diameter trunk watermain

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	450 000
OTHER	
TOTAL	450 000
SUBSIDY M.O.E.	70 000
CONTRIBUTIONS	
TOTAL	70 000
NET COST	380 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	380 000
PROPERTY OWNERS	
OTHER	
TOTAL	380 000

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

19 80	
19 81	
19 82	80 000
19 83	370 000
19 84	
19 85 AND AFTER	
TOTAL	450 000

6. NEED FOR PROJECT

To supply water to reservoir
W-HIC on DeWitt Road.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	46 189
ANNUAL COSTS	
TOTAL	46 189

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 22733

FILE NO. 811-06

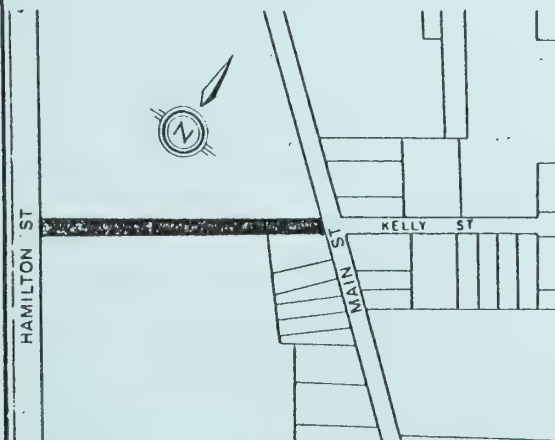
DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 47

1. PROJECT

Kelly St. Extension (across park)
from Hamilton St. to Main St.
Watermain and Land

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION

300 mm diameter trunk watermain.

4. CAPITAL COST ESTIMATE

LAND	50 000
CONSTRUCTION	
OTHER	

TOTAL	50 000
-------	--------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	Nil
-------	-----

NET COST	50 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	50 000
PROPERTY OWNERS	
OTHER	

TOTAL	50 000
-------	--------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982	50 000
------	--------

1983

1984

1985 AND AFTER

TOTAL	50 000
-------	--------

6. NEED FOR PROJECT

To reinforce the existing
system to permit full
utilization of Pumping Station
and reservoirs at Kelly St.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	6 078
--------------	-------

ANNUAL COSTS

TOTAL	6 078
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 22735

DEPT./AGENCY Engineering

FILE NO. 819-38

CAPITAL BUDGET PAGE 47

1. PROJECT

Stone Church Road Trunk Watermain
Upper Ottawa Street to Upper Gage

- Engineering

Hamilton

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	40 000
TOTAL	40 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	40 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	40 000
PROPERTY OWNERS	
OTHER	
TOTAL	40 000

5. CASH FLOW

O.M.B. REQUIRED 1983

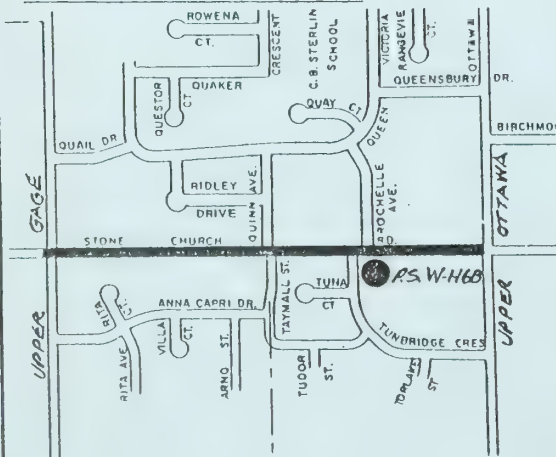
EXPENDITURES:

PRIOR TO BUDGET

1980	
1981	
1982	
1983	40 000
1984	
1985 AND AFTER	
TOTAL	40 000

6. NEED FOR PROJECT

Trunk watermain to be
constructed in conjunction
with Pumping Station W-H6B.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

1200 mm. watermain on Stone Church Rd
from Upper Ottawa St. to P.S. W-H6B

900 mm watermain on Stone Church Rd.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 862
ANNUAL COSTS	
TOTAL	4 862

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 22736

FILE NO. 816-28

DEPT./AGENCY Engineering

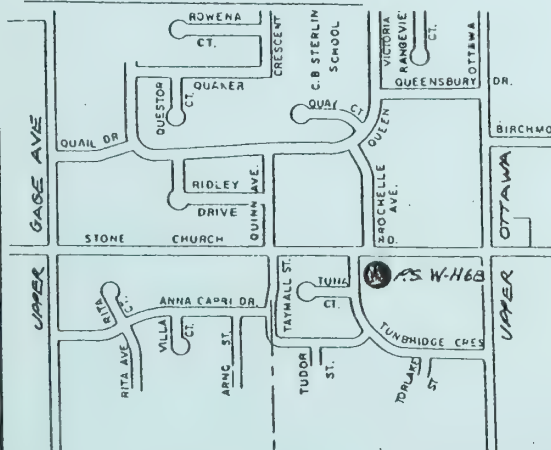
CAPITAL BUDGET PAGE 48

1. PROJECT

Pumping Station W-H6B on Stone Church
Road at Tunbridge Crescent

- Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

2 pumps rated at 660 L/Sec. and 50 m
TDH. Space will be provided for one
additional pump.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	70 000
TOTAL	70 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	70 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	70 000
PROPERTY OWNERS	
OTHER	
TOTAL	70 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 50 000

1984 20 000

1985 AND AFTER

TOTAL	70 000
-------	--------

6. NEED FOR PROJECT

Demand created by new
development within
District W-H6 is expected
to exceed firm pumping
capacity of P.S. W-H6A
by 1984.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	8 509
ANNUAL COSTS	
TOTAL	8 509

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21780A

FILE NO. 808-14

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 48&52

1. PROJECT

Hwy. 53 - 107 m West of Southcote Rd.
to Fiddler's Green Road and on
Fiddler's Green Road from Hwy. #53
to Cumming Court.

- Construction

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

400 mm watermain - Hwy. #53 from
Southcote Road to Fiddler's Green Rd

4. CAPITAL COST ESTIMATE

LAND 1 100 000

CONSTRUCTION

OTHER

TOTAL 1 100 000

SUBSIDY

CONTRIBUTIONS

Nil

TOTAL Nil

NET COST

1 100 000

AMOUNT TO BE FINANCED:

REGIONAL W.R.

1 000 000

PROPERTY OWNERS

100 000

OTHER

TOTAL 1 100 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

500 000

1984

600 000

1985 AND AFTER

TOTAL 1 100 000

6. NEED FOR PROJECT

Phase II of improvements
to Ancaster distribution
system to supply water
from Hamilton network.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 121 550

ANNUAL COSTS

TOTAL 121 550

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 21783A

FILE NO. 818-14

DEPT./AGENCY Engineering

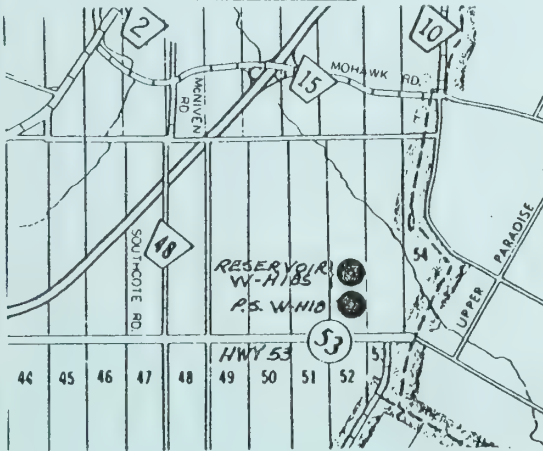
CAPITAL BUDGET PAGE 48

1. PROJECT

Reservoir W-H18S - Ancaster

- Construction

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

34000 M³ ground storage reservoir to be located at Pumping Station W-H18 site on Hwy. 53 will provide storage for Pressure District W-H18.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 000 000
OTHER	
TOTAL	2 000 000
SUBSIDY M.O.E.	400 000
CONTRIBUTIONS	
TOTAL	400 000
NET COST	1 600 000

AMOUNT TO BE FINANCED:

REGIONAL W.R.	1 600 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 600 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 1 000 000

1984 1 000 000

1985 AND AFTER

TOTAL 2 000 000

6. NEED FOR PROJECT

The existing elevated tanks in Ancaster provide insufficient storage for the system requirements. Consequently, additional storage is required to permit new residential growth.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	194 480
ANNUAL COSTS	
TOTAL	194 480

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 23741

FILE NO.

DEPT./AGENCY Engineering

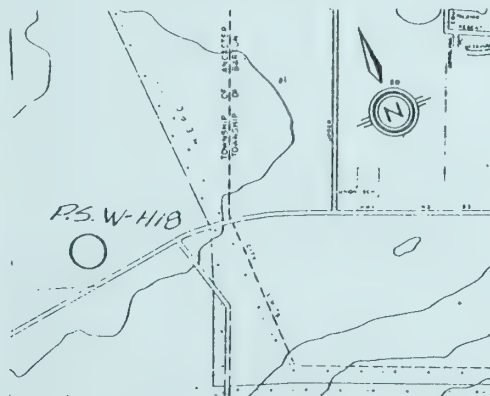
CAPITAL BUDGET PAGE 48

1. PROJECT

Pumping Station W-H18

- Installation of pump nos. 3 & 4.

Ancaster

2. MAP TO LOCATE PROJECT3. DESCRIPTION

1 pump @ 260 L/sec. with 60 m T.D.H.

1 pump @ 130 L/sec. with 60 m T.D.H.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	400 000
OTHER	

TOTAL	400 000
-------	---------

SUBSIDY M.O.E.	70 000
CONTRIBUTIONS	

TOTAL	70 000
-------	--------

NET COST	330 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	330 000
PROPERTY OWNERS	
OTHER	

TOTAL	330 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983	200 000
------	---------

1984	200 000
------	---------

1985 AND AFTER	
----------------	--

TOTAL	400 000
-------	---------

6. NEED FOR PROJECT

To complete the development of this pumping station which will be capable of meeting the water requirements until 2000.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	40 112
--------------	--------

ANNUAL COSTS	
--------------	--

TOTAL	40 112
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REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 23742

DEPT./AGENCY Engineering

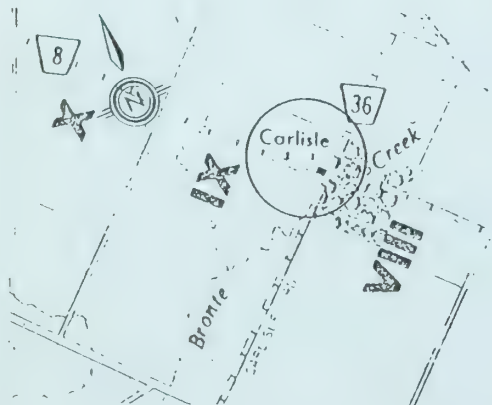
FILE NO.

CAPITAL BUDGET PAGE 48

1. PROJECT

Carlisle Elevated Water Reservoir.
- Engineering and land.

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION4000 m³ elevated storage tank.4. CAPITAL COST ESTIMATE

LAND	10 000
CONSTRUCTION	
OTHER Engineering	30 000
TOTAL	40 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	40 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	40 000
PROPERTY OWNERS	
OTHER	
TOTAL	40 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 10 000

1984 30 000

1985 AND AFTER

TOTAL	40 000
-------	--------

6. NEED FOR PROJECT

To supply the Village of Carlisle.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 862
--------------	-------

ANNUAL COSTS

TOTAL	4 862
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 23743

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 49

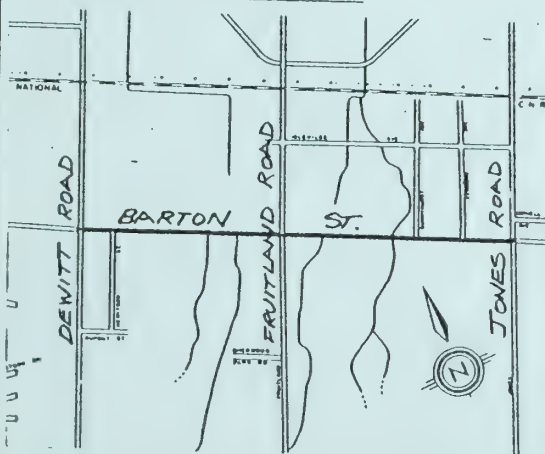
1. PROJECT

Barton Street watermain.

-DeWitt Road to Jones Road

-Engineering

Stoney Creek

2. MAP TO LOCATE PROJECT3. DESCRIPTION

750 mm trunk watermain.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	40 000
TOTAL	40 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	40 000
----------	--------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	40 000
PROPERTY OWNERS	
OTHER	
TOTAL	40 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84

19 85 AND AFTER

TOTAL	40 000
-------	--------

6. NEED FOR PROJECT

The proposed watermain will be required to supply new industrial development east of Jones Road.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	4 862
--------------	-------

ANNUAL COSTS	
--------------	--

TOTAL	4 862
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 23742 A

DEPT./AGENCY Engineering

FILE NO.

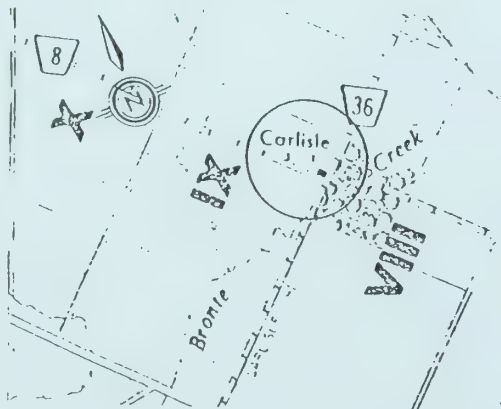
CAPITAL BUDGET PAGE 49

1. PROJECT

Carlisle Elevated Water Reservoir.

- Construction

Flamborough

2. MAP TO LOCATE PROJECT3. DESCRIPTION4000 m³ elevated storage tank.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	500 000
OTHER	
TOTAL	500 000
SUBSIDY M.O.E.	70 000
CONTRIBUTIONS CMHC	150 000
TOTAL	220 000
NET COST	280 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	280 000
PROPERTY OWNERS	
OTHER	
TOTAL	280 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84 300 000

19 85 AND AFTER 200 000

TOTAL 500 000

6. NEED FOR PROJECT

To supply the Village of Carlisle.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 34 034

ANNUAL COSTS

TOTAL 34 034

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 23744

FILE NO. 816-09

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 49

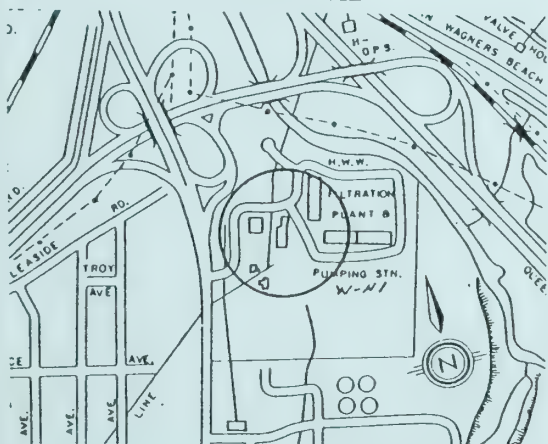
1. PROJECT

Pumping Station W-H1

-Expansion and Installation of
Pump #7.

-Engineering

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION-Building expansion suitable for
4 pumps with one 2.6 m³/S
pump.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	
OTHER Engineering	100 000
TOTAL	100 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	Nil

NET COST	100 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	100 000
PROPERTY OWNERS	
OTHER	
TOTAL	100 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 50 000

1985 AND AFTER 50 000

TOTAL 100 000

6. NEED FOR PROJECTIncreased consumption
resulting from new
industrial and residential
development will necessitate
the adding pumping capacity
at this station.7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 12 155

ANNUAL COSTS

TOTAL 12 155

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 22736 A

FILE NO. 816-28

DEPT./AGENCY Engineering

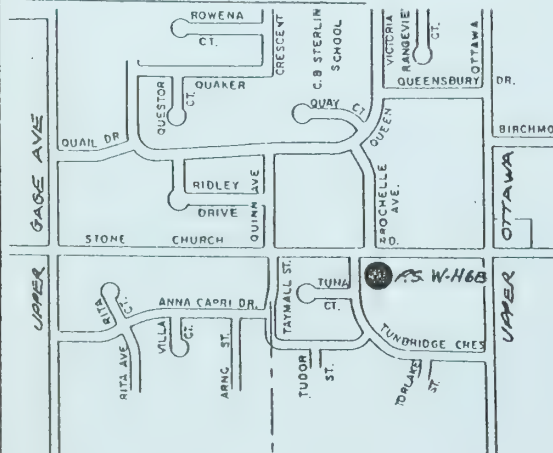
CAPITAL BUDGET PAGE 49

1. PROJECT

Pumping Station W-H6B on Stone Church
Road at Tunbridge Crescent

- Construction

Hamilton

2. MAP TO LOCATE PROJECT3. DESCRIPTION

2 pumps rated at 660 L/Sec. and 50 m
TDH. Space will be provided for one
additional pump.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	1 500 000
OTHER	
TOTAL	1 500 000
SUBSIDY M.O.E.	200 000
CONTRIBUTIONS	
TOTAL	200 000
NET COST	1 300 000

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 300 000
PROPERTY OWNERS	
OTHER	
TOTAL	1 300 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

19 80

19 81

19 82

19 83

19 84 300 000

19 85 AND AFTER 1 200 000

TOTAL 1 500 000

6. NEED FOR PROJECT

Demand created by new
development within
District W-H6 is expected
to exceed firm pumping
capacity of P.S. W-H6A
by 1984.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES 158 015

ANNUAL COSTS

TOTAL 158 015

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH 1980/84 CAPITAL BUDGET PROJECT DETAIL		FUNCTION Water Works PROJECT NO. 30000-E DEPT./AGENCY Engineering		FILE NO. CAPITAL BUDGET PAGE50&53
<u>1. PROJECT</u> Suburban Watermains - 1980	<u>4. CAPITAL COST ESTIMATE</u> LAND CONSTRUCTION 400 000 OTHER TOTAL 400 000 SUBSIDY CONTRIBUTIONS TOTAL NIL NET COST 400 000 AMOUNT TO BE FINANCED: REGIONAL W.R. 200 000 PROPERTY OWNERS 200 000 OTHER TOTAL 400 000		<u>6. NEED FOR PROJECT</u> To provide service to partially developed areas.	
<u>2. MAP TO LOCATE PROJECT</u>	<u>5. CASH FLOW</u> O.M.B. REQUIRED 1980 EXPENDITURES: PRIOR TO BUDGET 1980 200 000 1981 200 000 1982 1983 1984 1985 AND AFTER TOTAL 400 000		<u>7. EFFECT ON CURRENT BUDGET</u> DEBT CHARGES _____ ANNUAL COSTS _____ TOTAL _____	
<u>3. DESCRIPTION</u> Local Watermains on Various streets to be approved by Council.				

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 30000-F

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE50&53

1. PROJECT

Suburban watermains - 1981

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	400 000
OTHER	
TOTAL	<u>400 000</u>

SUBSIDY	
CONTRIBUTIONS	
TOTAL	<u>NIL</u>

NET COST	<u><u>400 000</u></u>
----------	-----------------------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	200 000
PROPERTY OWNERS	200 000
OTHER	
TOTAL	<u>400 000</u>

5. CASH FLOW

O.M.B. REQUIRED 1981

EXPENDITURES:

PRIOR TO BUDGET

1980	200 000
1981	200 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	<u>400 000</u>

6. NEED FOR PROJECT

To provide service to partially developed areas.

3. DESCRIPTION

Local watermains on various streets to be approved by Council.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	_____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 30000-G

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 50&53

1. PROJECT

Suburban Watermains

- 1982

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	400 000
OTHER	

TOTAL	400 000
-------	---------

SUBSIDY	
CONTRIBUTIONS	

TOTAL	NIL
-------	-----

NET COST	400 000
----------	---------

AMOUNT TO BE FINANCED:

REGIONAL W.R.	200 000
PROPERTY OWNERS	200 000
OTHER	

TOTAL	400 000
-------	---------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982	200 000
------	---------

1983	200 000
------	---------

1984

1985 AND AFTER

TOTAL	400 000
-------	---------

6. NEED FOR PROJECT

To provide service to partially developed areas.

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local watermains on various streets to be approved by Council.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 30000-H

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 50&53

1. PROJECT

Suburban Watermains - 1983

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Watermains on Various streets
to be approved by Council.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 400 000
OTHER

TOTAL 400 000

SUBSIDY
CONTRIBUTIONS

TOTAL NIL

NET COST 400 000

AMOUNT TO BE FINANCED:

REGIONAL W.R. 200 000

PROPERTY OWNERS 200 000

OTHER

TOTAL 400 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 200 000

1984 200 000

1985 AND AFTER

TOTAL 400 000

6. NEED FOR PROJECT

To provide service to partially
developed areas.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works
PROJECT NO. 30000-I
DEPT./AGENCY Engineering

FILE NO.
CAPITAL BUDGET PAGE 50&53

1. PROJECT

Suburban Watermains - 1984

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Watermains on Various streets
to be approved by Council.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	400 000
OTHER	
TOTAL	400 000

SUBSIDY	
CONTRIBUTIONS	
TOTAL	NIL

NET COST	400 000
----------	---------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	200 000
PROPERTY OWNERS	200 000
OTHER	
TOTAL	400 000

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984	200 000
------	---------

1985	200 000
------	---------

AND AFTER

TOTAL	400 000
-------	---------

6. NEED FOR PROJECT

To provide service to partially
developed areas.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
--------------	-------

ANNUAL COSTS	_____
--------------	-------

TOTAL	_____
-------	-------

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810L

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 54

1. PROJECT

Rated Watermains and Minor
Improvements

- Owner's Portion 1977-78

2. MAP TO LOCATE PROJECT

3. DESCRIPTION

Local Watermains on various streets
to be approved by Council

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 984,000
OTHER

TOTAL 984,000

SUBSIDY M.T.C.
CONTRIBUTIONS

TOTAL NIL

NET COST 984,000

AMOUNT TO BE FINANCED:
REGIONAL ST.S.R. 984,000
PROPERTY OWNERS
OTHER T.R.

TOTAL 984,000

5. CASH FLOW

O.M.D. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980 984,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 984,000

6. NEED FOR PROJECT

See item 28810-N

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810M

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 54

<u>1. PROJECT</u> Rated Watermains and Minor Improvements - Owner's Portion 1979	<u>4. CAPITAL COST ESTIMATE</u> LAND CONSTRUCTION 850,000 OTHER <hr/> TOTAL 850,000 SUBSIDY CONTRIBUTIONS OPFP 100,000 <hr/> TOTAL 100,000 NET COST 750,000 <hr/> AMOUNT TO BE FINANCED: REGIONAL ST.S.R. 750,000 PROPERTY OWNERS OTHER T.R. <hr/> TOTAL 750,000	<u>6. NEED FOR PROJECT</u> See item 28810-N
<u>2. MAP TO LOCATE PROJECT</u>	<u>5. CASH FLOW</u> O.M.B. REQUIRED EXPENDITURES: PRIOR TO BUDGET 1980 750,000 1981 1982 1983 1984 1985 AND AFTER <hr/> TOTAL 750,000	<u>7. EFFECT ON CURRENT BUDGET</u> DEBT CHARGES _____ ANNUAL COSTS _____ TOTAL _____
<u>3. DESCRIPTION</u> Local Watermains on various streets to be approved by Council		

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810-N

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 51&54

1. PROJECT

Rated Watermains and Minor Improvements
- 1980

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 000 000
OTHER	
TOTAL	<u>2 000 000</u>
SUBSIDY	
CONTRIBUTIONS O.P.F.P.	100 000
TOTAL	<u>100 000</u>
NET COST	<u><u>1 900 000</u></u>

AMOUNT TO BE FINANCED:

REGIONAL W.R.	900 000
PROPERTY OWNERS	1 000 000
OTHER	
TOTAL	<u>1 000 000</u>

5. CASH FLOW

O.M.B. REQUIRED 1980

EXPENDITURES:

PRIOR TO BUDGET

1980	800 000
1981	1 200 000
1982	
1983	
1984	
1985 AND AFTER	
TOTAL	<u>2 000 000</u>

6. NEED FOR PROJECT

To provide for Local Improve-
ment Act watermains and minor.
works generally associated with
road reconstruction.

3. DESCRIPTION

Local Watermains on various streets
to be approved by Council.

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES	_____
ANNUAL COSTS	_____
TOTAL	<u>_____</u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810-0

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 51&54

1. PROJECT

Rated Watermains and Minor Improvements
- 1981

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Watermains on various streets
to be approved by Council.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 200 000
OTHER

TOTAL 2 200 000

SUBSIDY
CONTRIBUTIONS O.P.F.P. 100 000

TOTAL 100 000

NET COST 2 100 000

AMOUNT TO BE FINANCED:

REGIONAL 1 000 000

PROPERTY OWNERS 1 100 000

OTHER

TOTAL 2 100 000

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980

1981 1 000 000

1982 1 200 000

1983

1984

1985 AND AFTER

TOTAL 2 200 000

6. NEED FOR PROJECT

See item 28810-N

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810-P

DEPT./AGENCY Engineering

FILE NO.

CAPITAL BUDGET PAGE 51&54

1. PROJECTRated Watermains and Minor
Improvements.

-1982

2. MAP TO LOCATE PROJECT3. DESCRIPTIONLocal Watermains on Various streets
to be approved by Council.4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 400 000
OTHER	

TOTAL	2 400 000
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SUBSIDY	
CONTRIBUTIONS O.P.F.P.	100 000

TOTAL	100 000
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NET COST	2 300 000
----------	-----------

AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 100 000
PROPERTY OWNERS	1 200 000
OTHER	

TOTAL	2 300 000
-------	-----------

5. CASH FLOW

O.M.B. REQUIRED 1982

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982	1 100 000
------	-----------

1983	1 300 000
------	-----------

1984

1985 AND AFTER

TOTAL	2 400 000
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6. NEED FOR PROJECT

See Item 28810-N

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1980/84 CAPITAL BUDGET
PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810-Q

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 51&54

1. PROJECT

Rated Watermains and Minor Improvements
- 1983

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Watermains on various streets
to be approved by Council.

4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 2 400 000
OTHER

TOTAL 2 400 000

SUBSIDY
CONTRIBUTIONS O.P.F.P. 100 000

TOTAL 100 000

NET COST 2 300 000

AMOUNT TO BE FINANCED:

REGIONAL 1 100 000

PROPERTY OWNERS 1 200 000

OTHER

TOTAL 2 300 000

5. CASH FLOW

O.M.B. REQUIRED 1983

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983 1 100 000

1984 1 300 000

1985 AND AFTER

TOTAL 2 400 000

6. NEED FOR PROJECT

See Item 28810-N

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Water Works

PROJECT NO. 28810-R

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 51&55

1. PROJECT

Rated Watermains and Minor Improvements
- 1984

2. MAP TO LOCATE PROJECT3. DESCRIPTION

Local Watermains on various streets
to be approved by Council.

4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	2 400 000
OTHER	
TOTAL	<u>2 400 000</u>

SUBSIDY	
CONTRIBUTIONS O.P.F.P.	100 000
TOTAL	<u>100 000</u>

NET COST	<u><u>2 300 000</u></u>
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AMOUNT TO BE FINANCED:	
REGIONAL W.R.	1 100 000
PROPERTY OWNERS	1 200 000
OTHER	
TOTAL	<u>2 300 000</u>

5. CASH FLOW

O.M.B. REQUIRED 1984

EXPENDITURES:

PRIOR TO BUDGET

1980

1981

1982

1983

1984 1 100 000

1985 AND AFTER 1 300 000TOTAL 2 400 0006. NEED FOR PROJECT

See Item 28810-N

7. EFFECT ON CURRENT BUDGET

DEBT CHARGES _____

ANNUAL COSTS _____

TOTAL _____

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage and Water Works

PROJECT NO. 33901

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 53

1. PROJECT

OHC Sewer, Saltfleet Community
Development (to be adjusted for
1974).

2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND
CONSTRUCTION 4,580,000
OTHER

TOTAL 4,580,000

SUBSIDY
CONTRIBUTIONS 4,580,000

TOTAL 4,580,000

NET COST NIL

AMOUNT TO BE FINANCED:
REGIONAL ST.S.R.
PROPERTY OWNERS
OTHER T.R.

TOTAL

5. CASH FLOW

O.M.B. REQUIRED

EXPENDITURES:

PRIOR TO BUDGET

1980 4,580,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 4,580,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

1980/84 CAPITAL BUDGET

PROJECT DETAIL

FUNCTION Sewage and Water Works

PROJECT NO. 38239

FILE NO.

DEPT./AGENCY Engineering

CAPITAL BUDGET PAGE 53

1. PROJECTOHC Sewer, East Mountain, Satellite
City (to be adjusted for 1974)2. MAP TO LOCATE PROJECT3. DESCRIPTION4. CAPITAL COST ESTIMATE

LAND	
CONSTRUCTION	9,246,000
OTHER	

TOTAL	9,246,000
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SUBSIDY	
CONTRIBUTIONS	9,246,000

TOTAL	9,246,000
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NET COST	NIL
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AMOUNT TO BE FINANCED:
REGIONAL ST.S.R.
PROPERTY OWNERS
OTHER T.R.

TOTAL

5. CASH FLOW

O.M.B. REQUIRED Received

EXPENDITURES:

PRIOR TO BUDGET 1,613,000

1980 7,633,000

1981

1982

1983

1984

1985 AND AFTER

TOTAL 9,246,000

6. NEED FOR PROJECT7. EFFECT ON CURRENT BUDGET

DEBT CHARGES

ANNUAL COSTS

TOTAL

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